Air Quality in Ontario 2000
Appendix

Ministry of Environment
and Energy

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Acknowledgements

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TABLE OF CONTENTS

		Page #
Introduction		i
Monitoring Network Operations		i
Network Descriptive Tables and Annual Statistics		ii
Table 1	Ontario Continuous Air Monitoring Network for 2000	1
Table 2	Ontario Noncontinuous Air Monitoring Network for 2000	5
Table 3	Ontario Air Monitoring Network for PM_{10} 24-Hour Sampling for 2000	8
Table 4	Ontario Meteorological Network for 2000	10
Table 5	Sulphur Dioxide (SO_2) Statistics (2000)	12
Table 6	Suspended Particles (SP) Statistics (2000)	14
Table 7	Total Reduced Sulphur (TRS) Statistics (2000)	15
Table 8	Carbon Monoxide (CO) Statistics (2000)	16
Table 9	Nitrogen Dioxide (NO_2) Statistics (2000)	17
Table 10	Nitric Oxide (NO) Statistics (2000)	19
Table 11	Total Nitrogen Oxides (NO_x) Statistics (2000)	20
Table 12	Ozone (O_3) Statistics (2000)	22
Table 13	Inhalable Particles (PM_{10}) Statistics (2000)	24
Table 14	Respirable Particles ($PM_{2.5}$) Statistics (2000)	25
Table 15	Mercury (Hg) Statistics (2000)	25
Table 16	Total Suspended Particulate (TSP) Statistics (2000)	26
Table 17	Lead (Pb) in TSP Statistics (2000)	28
Table 18	Iron (Fe) in TSP Statistics (2000)	29
Table 19	Manganese (Mn) in TSP Statistics (2000)	30
Table 20	Nickel (Ni) in TSP Statistics (2000)	31

Table 21	Chromium (Cr) in TSP Statistics (2000)	32
Table 22	Vanadium (V) in TSP Statistics (2000)	33
Table 23	Copper (Cu) in TSP Statistics (2000)	34
Table 24	Nitrate (NO_3^-) in TSP Statistics (2000)	35
Table 25	Sulphate (SO_4^{2-}) in TSP Statistics (2000)	35
Table 26	Inhalable Particles (PM_{10}) 24-Hour Statistics (2000)	36
Table 27	Copper (Cu) in PM_{10} Statistics (2000)	37
Table 28	Iron (Fe) in PM_{10} Statistics (2000)	38
Table 29	Manganese (Mn) in PM_{10} Statistics (2000)	39
Table 30	Sulphate (SO_4^{2-}) in PM_{10} Statistics (2000)	40
Table 31	10-Year Trend for SO_2	41
Table 32	10-Year Trend for SP (as measured by COH)	42
Table 33	10-Year Trend for TRS	43
Table 34	10-Year Trend for CO	44
Table 35	10-Year Trend for NO_2	45
Table 36	10-Year Trend for NO	46
Table 37	10-Year Trend for NO_x	47
Table 38	10-Year Trend for O_3	48
Table 39	Stations Used in Gaseous Trends	49
Table 40	VOC Annual Statistics at Egbert (2000)	50
Table 41	VOC Annual Statistics at Etobicoke South (2000)	54
Table 42	VOC Annual Statistics at Etobicoke West (2000)	59
Table 43	VOC Annual Statistics at Hamilton (2000)	64
Table 44	VOC Annual Statistics at Kingston (2000)	69
Table 45	VOC Annual Statistics at Kitchener (2000)	74
Table 46	VOC Annual Statistics at London (2000)	79
Table 47	VOC Annual Statistics at Ottawa (2000)	84

Table 48	VOC Annual Statistics at Point Petre (2000)	89
Table 49	VOC Annual Statistics at Sarnia (2000)	94
Table 50	VOC Annual Statistics at Simcoe (2000)	99
Table 51	VOC Annual Statistics at Stouffville (2000)	105
Table 52	VOC Annual Statistics at Windsor (2000)	110
Map 1	Location of Continuous Air Monitoring Stations in Ontario (2000)	116
Map 2	Location of Noncontinuous Air Monitoring Stations in Ontario (2000)	117
Map 3	Location of Meteorological Stations in Ontario (2000)	118

INTRODUCTION

This appendix is intended for use in conjunction with the annual report, Air Quality in Ontario 2000. The first part of the Appendix briefly describes the provincial air monitoring network, the quality assurance and quality control procedures and data base. The second part of the Appendix provides a series of tables showing the station locations as well as a listing of the summary statistics including, means, maxima, percentile values and the number of exceedances of the Ontario criteria for each pollutant.

MONITORING NETWORK OPERATIONS

Network Description

In 1971, the provincial air monitoring network consisted of 254 instruments: 166 continuous analyzers at 76 monitoring sites and 88 sites with high-volume samplers. By 1980, the provincial network had reached its maximum size at 450 instruments, of which 268 were continuous analyzers at 106 sites and 182 high-volume samplers. During 2000, the network consisted of 197 continuous monitoring instruments at 78 sites, 47 high-volume samplers, 26 daily PM_{10} samplers and 31 real-time $PM_{10/2.5}$ monitors.

More than 50 per cent of all air monitoring by the ministry is source-specific and is the principal responsibility of the ministry's Operations Division. For the most part, the operation of the monitoring stations and the collection of air samples is conducted by the regional staff. Environmental Monitoring and Reporting Branch operates the Greater Toronto Area (ambient stations) network and the mobile air monitoring units. The monitoring networks are classified by their functions: continuous air monitoring stations; non-continuous sampling sites; the meteorological network; and mobile air monitoring.

Ministry regional boundaries along with the locations of air monitoring sites of the continuous, noncontinuous and meteorological network are shown in Maps 1 to 3.

Quality Assurance and Quality Control

In 2000, each region had an atmospheric and terrestrial effects unit responsible for the day-to-day air monitoring and maintenance.

Each day, the instruments are checked through a computerized telephone link by technicians confirming the automatic zero and span values (that is, a known value for a particular gas).

Regional technicians inspect and maintain the monitoring equipment and stations continually. If an instrument undergoes major servicing, the instrumentation and quality assurance unit will re-calibrate it.

Portable calibration equipment is used by regional staff. This equipment itself is re-calibrated at least twice per year.

There are other monitoring programs, such as those operated by the Lambton Industrial Society, Environment Canada and Ontario Power Generation which the ministry either audits or conducts comparisons with. The ministry uses data from these services to judge provincial air quality.

The environmental monitoring and reporting branch operates a laboratory with gas reference standards that adhere to those of the U.S. National Institute of Standards and Technology (NIST), as well as to the pollution measurement division of Environment Canada.

Performance audits are conducted on the sulphur dioxide, nitrogen oxides/nitrogen dioxide, ozone and total reduced sulphur (as hydrogen sulphide) monitors approximately three times per year. Performance audits are conducted twice a year for $PM_{10/2.5}$ monitors and once a year on carbon monoxide monitors.

Chemical analyses performed by the Laboratory Services Branch are also subject to quality assurance and control.

The ambient air quality monitoring network undergoes constant maintenance to ensure a high standard of quality control.

Continuous real-time and particulate data are reviewed, assessed and validated constantly by regional staff and staff of the Environmental Monitoring and Reporting Branch.

Actions are taken immediately to correct anything that may affect the validity of the data.

These measures ensure that ambient air monitoring data are valid, complete, comparable, representative and accurate.

In 2000, continuous air monitoring instruments were given 586 performance audits. Approximately 78.7 per cent of the audits were found to be in the acceptable performance criterion; i.e. measured values were within 10 per cent of the standard. For the remaining 21.3 per cent, which fell outside the 10 per cent range, station log records and backup charts were consulted to adjust the data to reflect true ambient concentrations. As a result, the network for 2000 had 93.5 per cent valid data out of approximately four million data points.

Data Base

The ambient air quality data used in this report are stored in the ministry's air quality information system (AQUIS). Approximately 4 million air pollution measurements are added to AQUIS yearly, with the vast majority representing Ontario's more heavily populated urban areas.

A statistical pattern test is used to identify data anomalies, such as unusual pollutant concentrations. Each pollutant has a predetermined pollutant concentration range based on historical data. Values outside this range are flagged for further investigation.

AQUIS data are divided into two major groupings: continuous (1-hour) measurements and daily (24-hour) measurements.

Hourly data are obtained from automated ambient air monitoring instruments that operate continuously. These produce an average measurement each hour for a possible total of 8,760 measurements in a year.

SO_2, SP (as COH), CO, NO_x/NO/NO_2, O_3, PM_{10}/$PM_{2.5}$, Hg and TRS compounds are all measured hourly. A valid annual mean requires at least 5,840 hourly readings or 67 per cent valid data. Typically the network yields approximately 95 per cent valid data.

The instruments that provide daily measurements from a 24-hour sampling period are usually operated on one, three or six-day sampling cycles. They measure TSP, PM_{10}, lead, various trace metals, sulphate and nitrate.

For daily data, a valid annual mean requires at least two-thirds of the total number of possible samples. For example, a station operating on a six-day sampling schedule would require at least 40 out of a possible 61 samples.

To be included in the 10-year trend analysis, a site must have valid annual means for at least eight out of the 10 years 1991-2000.

NETWORK DESCRIPTIVE TABLES AND ANNUAL STATISTICS

The entire continuous (hourly) network is summarized in Table 1 and Map 1. The table displays the station name, numerical identifier, and pollutants measured. The numerical identifier is the station (ID) number, the first digit of which identifies the geographic region in which the station is located.

The column headings for the continuous pollutants are as follows:

SO_2	(sulphur dioxide)
COH	(suspended particles as measured by the Coefficient of Haze)
CO	(carbon monoxide)
O_3	(ozone)
NO	(nitric oxide)
NO_2	(nitrogen dioxide)
NO_x	(oxides of nitrogen)
$PM_{10}/PM_{2.5}$	(real-time inhalable/respirable particles)
TRS	(total reduced sulphur compounds)
Hg	(mercury)
AQI	(air quality index)

The particulate (daily) network is summarized in Table 2 and Map 2. The table displays the station name, numerical identifier, and pollutants measured. Numerals indicate the monitoring cycle frequency in days. The column headings for the noncontinuous pollutants are as follows:

TSP	(total suspended particles)
Cd	(cadmium in TSP)
Cr	(chromium in TSP)
Cu	(copper in TSP)
Fe	(iron in TSP)
Mn	(manganese in TSP)
Ni	(nickel in TSP)
Pb	(lead in TSP)
V	(vanadium in TSP)
NO_3^-	(nitrate in TSP)
SO_4^{2-}	(sulphate in TSP)
Cl^-	(chlorine in TSP)
C	(carbon in TSP)

The inhalable particle (PM_{10}) network is summarized in Table 3 and incorporated into Map 2. This table displays the station location, parameters measured and frequency of sampling.

The meteorological network is summarized in Table 4 and Map 3. This table displays the station name, numerical identifier, meteorological parameters measured and the height of the measurements.

The 2000 statistical data for the various pollutants are provided in Tables 5 through 30. The 10-year trends are presented in Tables 31 to 38. The stations used in the 10-year trends are listed in Table 39.

ABBREVIATIONS

ID	-five digit provincial station identification number
TYPE	-survey type (ambient or source specific)
YR.	-year monitoring began
LAT.	-station latitude in degrees:minutes
LONG.	-station longitude in degrees:minutes
ELEV.	-elevation of air sampling inlet (metres above ground)
INS.	-insufficient data to compute relevant statistics

Table 1: Ontario Continuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	SO_2	COH	CO	O_3	NO/NO_2 NO_X	PM_{10}	$PM_{2.5}$	TRS	Hg	AQI
WINDSOR	WRIGHT/WATER ST.	12007	I	84	42:17	83:06	4	T	.	.	.	.	.	.	T	.	.
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12008	A	69	42:19	83:03	8	T	T	T	T	T	.	.	.	.	T
WINDSOR	TECUMSEH WATER TREATMENT PLANT	12009	I	98	42:20	82:55	4	T	.	.	.	T	.	T	.	.	.
WINDSOR WEST	COLLEGE/SOUTH ST.	12016	A	75	42:18	83:04	4	T	T	.	T	T	T	.	T	.	T
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	A	77	42:15	82:13	4	.	.	.	T	.	.	.	.	.	*
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	I	69	42:48	82:29	4	T	.	.	.	.	.	.	.	.	.
SARNIA	FRONT ST./CN TRACKS, CENTENNIAL PARK	14064	A	76	42:59	82:24	3	T	T	T	T	T	T	T	T	.	T
MANDAUMIN	CONCESSION RD. 26	14118	A	77	42:56	82:14	4	.	.	.	T	.	.	.	.	.	.
LONGWOODS	LONGWOODS CONSERVATION AUTHORITY	15009	A	83	42:53	81:29	4	.	.	.	T	.	.	.	.	.	.
PARKHILL	PUC BUILDING	15013	A	83	43:10	81:41	5	.	.	.	T	.	.	.	.	.	.
GRAND BEND	HWY 21/COUNTY RD. 83	15020	A	91	43:20	81:44	4	.	.	.	T	.	.	.	.	.	*
LONDON	900 HIGHBURY AVE.	15025	A	95	42:58	81:12	4	T	T	T	T	T	T	.	.	.	T
TIVERTON	LOT C/CONCESSION 5, VISITOR INFO CTR.	18007	A	79	44:18	81:35	4	.	.	.	T	.	.	T	.	.	*
SIMCOE	HWY 3/BLUE LINE RD.	22071	A	75	42:51	80:16	4	T	.	.	T	T	.	T	.	.	T
NANTICOKE	CHEAPSIDE RD. (3 KM S. HWY 3)	22086	I	77	42:52	80:00	5	T	.	.	.	T	.	.	.	.	.
LONG POINT	PROVINCIAL PARK	22901	A	79	42:35	80:23	4	T	.	.	T	T	.	.	.	.	*
NANTICOKE	SANDUSK RD., WALPOLE S. P.S.	22904	I	79	42:50	80:02	4	T	.	.	.	.	.	.	T	.	.
NANTICOKE	NANTICOKE VILLAGE	22907	I	84	42:49	80:05	4	T	T	.	.	.	.	.	T	.	.
KITCHENER	WEST AVE./HOMEWOOD	26060	A	90	43:26	80:30	5	T	T	T	T	T	.	T	.	.	T
ELMIRA	UNION/PARK	26070	I	99	43:35	80:30	4	T	.	.	.	.	.	.	T	.	.
NIAGARA REGION	ARGYLE CRES., PUMP STN.	27067	A	87	43:10	79:14	4	T	T	T	T	T	.	T	.	.	T
GUELPH	EXHIBITION/CLARK ST.	28028	A	00	43:33	80:16	4	.	.	.	T	.	.	T	.	.	T
HAMILTON DOWNTOWN	ELGIN/KELLY	29000	A	87	43:15	79:52	4	T	T	T	T	T	.	T	T	.	T
HAMILTON	BARTON/SANFORD	29025	I	69	43:16	79:51	4	T	T	.	.	.	.	.	T	.	.
HAMILTON	467 BEACH BLVD.	29102	I	84	43:17	79:47	4	T	T	.	.	T	.	.	T	.	.

Table 1: Ontario Continuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	SO_2	COH	CO	O_3	$NO/NO_2/NO_x$	PM_{10}	$PM_{2.5}$	TRS	Hg	AQI
HAMILTON MOUNTAIN	VICKERS RD./E. 18TH ST.	29114	A	85	43:14	79:52	3	T	T	.	T	T	.	T	T	.	T
HAMILTON WEST	MAIN ST. W./ HWY 403	29118	A	85	43:15	79:54	3	T	T	T	T	T	.	.	T	.	T
HAMILTON	PIER 25/BEACH STRIP	29547	I	92	43:16	79:46	4	.	T	.	.	.	.	.	T	.	.
HAMILTON	HOMESIDE II	29565	I	00	43:14	79:47	4	.	T	.	.	.	T	.	.	.	.
HAMILTON	NIAGARA/LAND ST.	29567	I	00	43:29	79:55	3	.	T	.	.	.	T	.	T	.	.
TORONTO DOWNTOWN	BAY/WELLESLEY	31103	A	97	43:39	79:23	3	T	.	T	T	T	.	T	.	.	T
TORONTO	CN TOWER	31190	A	89	43:35	79:23	444	.	.	.	T	T	.	.	.	.	.
TORONTO EAST	KENNEDY/LAWRENCE	33003	A	70	43:45	79:16	4	.	.	.	T	T	T	.	.	.	T
TORONTO NORTH	YONGE ST./FINCH AVE.	34020	A	88	43:47	79:25	5	.	.	.	T	T	.	T	.	.	T
TORONTO WEST	ELMCREST RD., CENTENNIAL PARK	35003	A	69	43:39	79:35	5	T	.	T	T	T	T	.	.	T	T
ETOBICOKE	EVANS/ARNOLD AVE.	35033	A	67	43:37	79:31	5	T	T	T	T	T	T	T	.	.	.
YORK	CLEARVIEW HEIGHTS	36030	I	88	43:42	79:29	5	T	T	T	T	T	.	.	.	.	.
BURLINGTON	HWY 2/NORTH SHORE BLVD. E.	44008	A	79	43:19	79:48	5	T	.	T	T	T	T	.	.	.	T
OAKVILLE	BRONTE RD./WOBURN CRES.	44015	A	80	43:24	79:44	5	T	T	T	T	T	.	.	T	.	T
OSHAWA	RITSON RD./OLIVE AVE., RITSON RD. P.S.	45025	A	79	43:53	78:51	5	.	.	.	T	T	.	T	.	.	T
BRAMPTON	525 MAIN ST. N., PEEL MANOR	46089	A	00	43:42	79:47	5	T	.	T	T	T	.	T	.	.	T
MISSISSAUGA	QUEENSWAY W./HURONTARIO ST.	46110	A	77	43:34	79:37	5	T	T	T	T	T	.	T	.	T	T
GEORGIAN BAY SOUTH	1385 RIVER RD. E.	47005	A	00	44:31	80:01	3	.	.	.	T	.	.	.	.	.	.
YORK REGION	HWY 47/E. HWY 48	48002	A	74	43:58	79:16	5	.	.	.	T	T	T	.	.	.	T
HALIBURTON	HWY 117/PAINT LAKE RD.	49010	A	81	45:13	78:56	3	.	.	.	T	T	.	T	.	.	*
OTTAWA	RIDEAU/WURTENBURG ST.	51001	A	71	45:26	75:41	4	T	.	T	T	T	.	T	.	.	T
KINGSTON	133 DALTON AVE.	52020	A	88	44:14	76:31	5	.	.	.	T	.	.	.	.	.	T
CORNWALL	BEDFORD/THIRD ST. S., MEMORIAL PARK	56051	A	70	45:01	74:44	4	T	T	T	T	T	.	.	T	.	T
PETERBOROUGH	10 HOSPITAL DR.	59006	A	98	44:18	78:21	7	T	.	T	T	T	T	.	.	.	T
DRYDEN	35 VAN HORNE AVE.	61027	I	84	49:47	92:50	15	.	.	.	.	.	.	.	T	.	.

Table 1: Ontario Continuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	SO_2	COH	CO	O_3	NO/NO_2 NO_X	PM_{10}	$PM_{2.5}$	TRS	Hg	AQI
FORT FRANCES	PORTAGE/CHURCH ST.	62030	I	76	48:37	93:24	4	.	.	.	.	.	.	.	T	.	.
FORT FRANCES	COLONIZATION RD. W., CEMETERY	62032	I	76	48:37	93:25	5	.	.	.	.	.	.	.	T	.	.
FORT FRANCES	EIGHTH ST./CORNWALL AVE.	62047	I	90	48:37	93:24	4	.	.	.	.	.	.	.	T	.	.
FORT FRANCES	ARMIT AVE./4TH ST., ROBERT MOORE P.S.	62200	I	97	48:38	93:23	3		T		T		.		T	.	.
MARATHON	PETER ST.	63033	I	91	48:43	86:23	4	.	.	.	.	.	.	.	T	.	.
THUNDER BAY	MONTREAL ST., BOMBARDIER	63046	I	76	48:21	89:18	3	.	.	.	.	.	.	.	T	.	.
RED ROCK	BROMPTON RD., RECREATION CTR.	63084	I	81	48:57	88:15	7	.	.	.	.	.	.	.	T	.	.
TERRACE BAY	SELKIRK ST., ST. MARTIN SCHOOL	63090	I	81	48:47	87:06	8	.	.	.	.	.	.	.	T	.	.
TERRACE BAY	TERRACE HEIGHT DR.	63092	I	94	48:48	87:04	4	.	.	.	.	.	.	.	T	.	.
THUNDER BAY	615 JAMES ST. S., MTO	63200	A	86	48:23	89:17	3	T	T	T	T	T	.	.	T	.	T
THUNDER BAY	VICTOR ST.	63202	I	00	48:20	89:20	3	.	.	.	.	.	.	.	T	.	.
THUNDER BAY	MARY ST.	63204	I	00	48:22	89:16	8	.	.	.	.	.	.	.	T	.	.
SAULT STE. MARIE	BONNEY ST., PUMPHOUSE	71042	I	99	46:31	84:23	3	.	.	.	.	.	.	T	.	.	.
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71068	A	87	46:32	84:21	3	T	T	.	T	T	T		T	.	T
SMOOTH ROCK FALLS	54 SECOND AVE.	72115	I	98	49:17	81:37	3	.	.	.	.	.	.	.	T	.	.
NORTH BAY	CHIPPEWA ST., DEPT. NATIONAL DEFENCE	75010	A	79	46:19	79:27	4	.	T	.	T	.	.	T	.	.	T
SUDBURY	SKEAD	77012	I	52	46:39	80:46	4	T	.	.	.	.	.	.	.	.	.
SUDBURY	HANMER	77013	I	73	46:39	80:57	5	T	.	.	.	.	.	.	.	.	.
SUDBURY	ASH ST., WATER TANK	77016	I	69	46:30	81:00	3	T	.	.	.	.	.	.	.	.	.
CONISTON	GOVERNMENT RD./EDWARD ST.	77028	I	74	46:29	80:51	4	T	.	.	.	.	.	.	.	.	.
GARSON	FALCONBRIDGE RD.	77065	I	76	46:34	80:51	4	T	.	.	.	.	.	.	.	.	.
NEW SUDBURY	KENNEDY ST.	77075	I	76	46:31	80:57	4	T	.	.	.	.	.	.	.	.	.
SUDBURY	MIKKOLA, J. HAMILTON SCHOOL	77201	I	82	46:25	81:07	4	T	.	.	.	.	.	.	.	.	.
SUDBURY	100 RAMSEY LAKE RD., SCIENCE NORTH	77203	A	84	46:28	80:59	15	T	T	T	T	T	.	.	T	.	T
RAYSIDE	ST. LAURENT/REGIONAL RD.	77206	I	85	46:36	81:06	4	T	.	.	.	.	.	.	.	.	.

Table 1: Ontario Continuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	SO_2	COH	CO	O_3	NO/NO_2/NO_x	PM_{10}	$PM_{2.5}$	TRS	Hg	AQI
COPPER CLIFF	MARKET ST.	77218	I	87	46:28	81:04	4	T	.	.	.	.	.	.	.	.	.
SUDBURY	ROBINSON SCHOOL	77225	I	90	46:28	81:00	4	T	.	.	.	.	.	.	.	.	.
SUDBURY	DOZZI PARK	77228	I	93	46:28	81:02	4	T	.	.	.	.	.	.	.	.	.
TOTALS:								**45**	**25**	**20**	**42**	**34**	**12**	**19**	**31**	**2**	**34**

RECENT CHANGES TO THE 2000 CONTINUOUS AIR MONITORING NETWORK:

Stations added to the network: Guelph (28028); Hamilton (29565 and 29567); Brampton (46089); Georgian Bay South (47005); Thunder Bay (63202 and 63204); and Smooth Rock Falls (72115).

Stations removed from the network: Hamilton (29531); Mississauga (46117); International Falls (62045); and Sudbury (77096).

LEGEND:

ID - Station identification number
TYPE - A: ambient survey; I: source specific survey
YR. - Year station monitoring began
LAT. - Latitude (degrees:minutes)
LONG. - Longitude (degrees:minutes)
ELEV. - Air intake height above ground (m)
T - Telemetry
* - Seasonal AQI site (May 1 - September 30 only)

SO_2 - Sulphur Dioxide
COH - Coefficient of Haze
CO - Carbon Monoxide
O_3 - Ozone
NO - Nitric Oxide
NO_2 - Nitrogen Dioxide
NO_x - Oxides of Nitrogen
PM_{10} - Inhalable Particulate
$PM_{2.5}$ - Respirable Particulate
TRS - Total Reduced Sulphur
Hg - Mercury
AQI - Air Quality Index

Table 2: Ontario Noncontinuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO_3^-	SO_4^{2-}	Cl^-	C
ST. MARYS	309 THOMAS ST.	11001	I	79	43:15	81:09	3	6	.	.	.	.	.	.	.	.	.	.	.	.
WINDSOR	WRIGHT/WATER ST.	12007	I	84	42:17	83:06	4	6	6	6	6	6	6	6	6	6	6	6	6	.
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12008	A	70	42:19	83:03	8	6	6	6	6	6	6	6	6	6	6	6	6	.
WINDSOR	DROUILLARD RD./RICHMOND ST.	12011	I	88	42:19	83:00	5	6	6	6	6	6	6	6	6	6	.	.	.	.
WINDSOR	3665 WYANDOTTE ST. E., FILTRATION PLANT	12013	I	71	42:19	83:00	6	6	6	6	6	6	6	6	6	6	.	.	.	.
WINDSOR WEST	COLLEGE/SOUTH ST.	12016	A	75	42:18	83:04	4	6	6	6	6	6	6	6	6	6	6	6	6	.
WINDSOR	2885 HOWARD AVE.	12038	I	78	42:17	83:01	4	6	6	6	6	6	6	6	6	6	6	6	6	.
WINDSOR	COLUMBUS CTR.	12058	I	93	42:17	83:01	5	6	6	6	6	6	6	6	6	6	6	6	6	.
WINDSOR	CITY YARD	12061	I	95	42:18	83:02	6	6	6	6	6	6	6	6	6	6	.	.	.	.
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	I	69	42:48	82:29	4	6	6	6	6	6	6	6	6	6	6	6	6	.
CORUNNA	R.R. 1 (W. OF HOUSE)	14030	I	78	42:53	82:17	1	6	6	6	6	6	6	6	6	6	.	.	.	.
LONDON	900 HIGHBURY AVE.	15025	A	96	42:58	81:12	4	6	6	6	6	6	6	6	6	6	.	.	.	.
BEACHVILLE	CYANAMIDE RD., GORDON PROP.	17014	I	74	43:05	80:50	2	6	.	.	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17015	I	89	43:05	80:50	4	6	.	.	.	.	.	.	.	.	.	.	.	.
INGERSOLL	HWY 2/R.R. 2, J. SPRIEL PROP.	17020	I	81	43:04	81:49	4	6	.	.	.	.	.	.	.	.	.	.	.	.
EMBRO	OXFORD CITY RD. 6, HESSTON FARM	17021	I	83	43:06	81:58	1	6	.	.	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17215	I	89	43:04	80:50	4	6	.	.	.	.	.	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST., MOE TRAILER	17315	I	89	43:04	80:50	4	6	.	.	.	.	.	.	.	.	.	.	.	.
NANTICOKE	RAINHAM RD./SANDUSK RD.	22092	I	85	42:49	80:02	4	6	.	.	.	.	.	.	.	.	.	.	.	6
NANTICOKE	SANDUSK RD., WALPOLE S. P.S.	22904	I	84	42:50	80:02	4	6	.	.	.	.	.	.	.	.	6	6	6	.
NANTICOKE	RAINHAM RD. (NEAR STELCO GATE)	22907	I	84	42:49	80:05	4	6	.	.	.	.	.	.	.	.	.	.	.	6
NANTICOKE	N. 2 KM NANTICOKE OPG	22964	I	84	42:50	80:05	4	6	.	.	.	.	.	.	.	.	.	.	.	.
THOROLD	185 QUEEN ST. S.	27052	I	82	43:07	79:12	1	6	6	6	6	6	6	6	6	6	.	.	.	.
ST. CATHARINES	27 PLYMOUTH AVE.	27057	I	98	43:06	79:05	4	6	6	6	6	6	6	6	6	6	.	.	.	.
THOROLD	BEAVERDAMS/COLLIER	27081	I	99	43:06	79:12	1	6	6	6	6	6	6	6	6	6	.	.	.	.

Table 2: Ontario Noncontinuous Air Monitoring Network for 2000

CITY	STATION NAME	ID	TYPE	YR.	LAT.	LONG.	ELEV.	TSP	Cd	Cr	Cu	Fe	Mn	Ni	Pb	V	NO_3^-	SO_4^{2-}	Cl^-	C
NIAGARA FALLS	7401 PORTAGE RD.	27082	I	99	43.04	79:04	1	6	6	6	6	6	6	6	6	6	.	.	.	.
HAMILTON DOWNTOWN	ELGIN/KELLY	29000	A	88	43:15	79:52	4	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	KENILWORTH	29009	I	69	43:15	79:49	6	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	BURLINGTON/LEEDS	29011	I	73	43:16	79:49	5	6	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	BURLINGTON/WELLINGTON	29012	I	73	43:16	79:59	7	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	BARTON/SANFORD	29025	I	69	43:16	79:51	4	6	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	467 BEACH BLVD.	29102	I	85	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW	29113	I	86	43:15	79:49	4	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON MOUNTAIN	VICKERS RD./EAST 18TH ST.	29114	A	85	43:14	79:52	3	6	6	6	6	6	6	6	6	6	6	6	6	6
HAMILTON WEST	MAIN ST. W./HWY 403	29118	A	85	43:15	79:54	3	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	MORLEY ST./PARKDALE AVE.	29119	I	86	43:15	79:47	4	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	DUNDURN/YORK	29122	I	87	43:16	79:53	10	6	.	.	.	.	.	.	.	.	.	.	.	.
HAMILTON	KEEFER COURT, MOE LAB	29143	I	92	43:24	79:45	4	6	.	.	.	.	.	.	.	.	.	.	.	.
TORONTO	51 LARCHMOUNT AVE., BRUCE P.S.	31045	I	86	43:40	79:20	6	1	.	.	.	.	.	.	1	.	.	.	.	.
TORONTO	MOSLEY/LESLIE ST. S.	31058	I	73	43:40	79:20	5	1	.	.	.	.	.	.	1	.	.	.	.	.
TORONTO	633 EASTERN AVE., A.R.CLARKE CO.	31065	I	87	43:40	79:20	12	1	.	.	.	.	.	.	1	.	.	.	.	.
TORONTO	138 HAMILTON AVE., WORKS DEPT.	31082	I	74	43:40	79:21	5	1	.	.	.	.	.	.	1	.	.	.	.	.
BURLINGTON	3900 MAINWAY BLVD.	44009	I	99	43:21	79:48	4	6	6	6	6	6	6	6	6	6	.	.	.	.
MISSISSAUGA	2360 DIXIE RD.	46047	I	95	43:36	79:35	1	6	.	.	.	.	.	.	.	.	.	.	.	.
MISSISSAUGA	APPLE LANE, MEADOW PARK	46117	I	87	43:31	79:36	5	6	6	6	6	6	6	6	6	6	.	.	.	.
THUNDER BAY	MONTREAL ST., BOMBARDIER	63046	I	78	48:21	89:18	3	6	.	.	.	.	.	.	.	.	.	.	.	.
SAULT STE. MARIE	BONNEY ST., PUMPHOUSE	71042	I	75	46:31	84:23	2	6	6	6	6	6	6	6	6	6	.	.	.	6
HEARST	GEORGE ST./6TH ST.	72114	I	97	49:41	83:39	2	6	.	.	.	.	.	.	.	.	.	.	.	.
TOTALS:								**48**	**22**	**22**	**22**	**22**	**22**	**22**	**26**	**22**	**11**	**11**	**11**	**7**

RECENT CHANGES TO THE 2000 NONCONTINUOUS AIR MONITORING NETWORK:

Stations removed from the network: Elmira (26054 and 26056); Cambridge (26062 and 26064); Welland (27045); and Markham (48003).

Stations resumed monitoring in 2000: Nanticoke (22092); and Toronto (31058).

LEGEND:

SINGLE DIGITS	- Cycle duration in days	TSP	- Total Suspended Particulate	Pb	- Lead
ID	- Station identification number	Cd	- Cadmium	V	- Vanadium
TYPE	- A: ambient survey; I: source specific survey	Cr	- Chromium	NO_3^-	- Nitrate
YR.	- Year station began monitoring	Cu	- Copper	SO_4^{2-}	- Sulphate
LAT.	- Latitude (degrees:minutes)	Fe	- Iron	Cl^-	- Chlorine
LONG.	- Longitude (degrees:minutes)	Mn	- Manganese	C	- Carbon
ELEV.	- Air intake height above ground (m)	Ni	- Nickel		

Table 3: Ontario Air Monitoring Network for PM_{10} 24-Hour Sampling for 2000

CITY	STATION NAME	ID	YR.	TYPE	LAT.	LONG.	ELEV.	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	SO_4^{2-}
WINDSOR	WRIGHT/WATER ST.	12507	90	A	42:17	82:16	4	6	6	6	6	6	6	6	6	6	6
WINDSOR DOWNTOWN	467 UNIVERSITY AVE. W.	12508	89	A	42:19	83:02	8	6	6	6	6	6	6	6	6	6	6
WINDSOR	3665 WYANDOTTE ST. E.	12513	92	A	42:19	83:00	6	6	6	6	6	6	6	6	6	6	6
WINDSOR	1400 ROSELAWN DR., ST. GABRIEL S.S.	12556	98	A	42:15	83:01	10	6	6	6	6	6	6	6	6	6	6
WINDSOR	5305 ADSTOL AVE., ST. ALEXANDER S.S.	12559	98	A	42:18	82:57	10	6	6	6	6	6	6	6	6	6	6
WINDSOR	13765 ST. GREGORY'S RD., ST. GREGORY'S S.S.	12583	98	A	42:19	82:51	10	6	6	6	6	6	6	6	6	6	6
SARNIA	6TH LINE, MOORE TOWNSHIP	14550	97	I	42:58	82:24	3	6	6	6	6	6	6	6	6	6	6
SARNIA	FRONT ST./CN TRACKS, CENTENNIAL PARK	14564	97	A	42:59	82:24	3	6	6	6	6	6	6	6	6	6	6
LONDON	900 HIGHBURY AVE.	15525	96	A	42:58	81:12	4	6	6	6	6	6	6	6	6	6	6
BEACHVILLE	EARL LANTZ PROPERTY	17550	98	I	43:06	80:52	2	6	6	6	6	6	6	6	6	6	6
NANTICOKE	SANDUSK RD., WALPOLE SOUTH P.S.	22304	92	I	42:50	80:02	4	6	6	6	6	6	6	6	6	6	6
ST. CATHARINES	71 KING ST.	27308	91	I	43:10	79:15	12	6	6	6	6	6	6	6	6	6	6
THOROLD	185 QUEEN ST. S.	27352	90	I	43:07	79:12	4	6	6	6	6	6	6	6	6	6	6
HAMILTON DOWNTOWN	ELGIN\KELLY ST.	29300	90	A	43:15	79:52	4	6	6	6	6	6	6	6	6	6	6
HAMILTON	467 BEACH BLVD.	29302	89	I	43:17	79:47	4	6	6	6	6	6	6	6	6	6	6
HAMILTON	GERTRUDE/DEPEW ST.	29313	90	I	43:15	79:49	4	6	6	6	6	6	6	6	6	6	6
HAMILTON MOUNTAIN	VICKERS RD./EAST 18TH ST.	29314	99	A	43:14	79:53	4	6	6	6	6	6	6	6	6	6	6
ETOBICOKE	EVANS AVE./ARNOLD CRES.	35127	97	A	43:37	79:31	5	6	6	6	6	6	6	6	6	6	6
OAKVILLE	BRONTE RD./WOBURN CRES.	44127	92	I	43:24	79:44	1	6	6	6	6	6	6	6	6	6	6
MISSISSAUGA	APPLE LANE, MEADOW PARK	46127	93	I	43:31	79:36	1	6	6	6	6	6	6	6	6	6	6
FORT FRANCES	ARMIT AVE./4TH ST.	62201	00	I	48:38	93:23	9	6	6	6	6	6	6	6	6	6	6
THUNDER BAY	JAMES/WALSH ST.	63201	89	A	48:23	89:17	4	6	6	6	6	6	6	6	6	6	6
SAULT STE. MARIE	BONNEY ST., PUMPHOUSE	71342	89	I	46:31	84:23	2	6	6	6	6	6	6	6	6	6	6

Table 3: Ontario Air Monitoring Network for PM_{10} 24-Hour Sampling for 2000

CITY	STATION NAME	ID	YR.	TYPE	LAT.	LONG.	ELEV.	IP	Cu	Fe	Mn	Pb	Cr	Cd	V	Ni	SO_4^{2-}
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71368	90	A	46:32	84:21	3	6	6	6	6	6	6	6	6	6	6
SUDBURY	19 LISGAR ST.	77326	91	A	46:29	80:59	8	6	6	6	6	6	6	6	6	6	6
COPPER CLIFF	MARKET ST.	77570	96	I	46:28	81:04	4	6	6	6	6	6	6	6	6	6	6
TOTALS:								**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**	**26**

Notes:

- Samplers operate on a 6-day sampling cycle

RECENT CHANGES TO THE 2000 PM10 24-HOUR AIR MONITORING NETWORK:

Stations added to the network: Fort Frances (62201).

Station resumed monitoring in 2000: Sudbury (77326).

Stations removed from the network: Elmira (26365); Hamilton (29324); and Fort Frances (62135).

LEGEND:

ID - Station identification number

TYPE - A: ambient survey; I: source specific survey

YR. - Year station monitoring began

LAT. - Latitude (degrees:minutes)

LONG. - Longitude (degrees:minutes)

ELEV. - Air intake above ground (m)

Cr - Chromium

Cd - Cadmium

V - Vandium

Ni - Nickel

SO_4^{2-} - Sulphate

IP - Inhalable Particulate

Cu - Copper

Fe - Iron

Mn - Manganese

Pb - Lead

Table 4: Ontario Meteorological Network for 2000

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1	HT1	WS2	HT2	WS3	HT3	TEM	DT1	DT2
WINDSOR	WRIGHT/WATER ST.	12007	84	42:17	82:16	T	10	T	40	.	.	T	T	.
LITTLE RIVER	9725 RIVERSIDE DR. E.	12009	99	42:20	82:55	T	15	.	.	.	.	.	.	.
MERLIN	MIDDLE RD., MOE WATER PUMP STN.	13021	77	42:15	82:13	T	9	.	.	.	.	.	.	.
COURTRIGHT	HWY 40 (OPPOSITE OPG)	14016	75	42:48	82:29	T	10	T	30	T	90	T	T	T
PARKHILL	PUC BUILDING	15013	83	43:10	81:41	T	10	.	.	.	.	.	.	.
BEACHVILLE	26 VINE ST, MOE TRAILER	17015	89	43:04	80:51	T	9	.	.	.	.	.	.	.
JARVIS	HYDRO MET TOWER (2 KM NE JARVIS)	22883	84	42:54	80:05	T	10	.	.	T	85	T	.	.
LONG POINT	PROVINCIAL PARK	22901	79	42:35	80:23	T	10	.	.	T	85	T	.	.
NANTICOKE	RAINHAM RD. (NEAR STELCO GATE)	22907	89	42:48	80:04	T	10	.	.	.	.	.	.	.
CAMBRIDGE	CLYDE RD.	26066	91	43:38	80:29	T	30	.	.	.	.	T	.	.
ELMIRA	UNION PARK	26070	99	43:35	80:33	T	6	.	.	.	.	.	.	.
ALLANBURG	HWY 58, TRANSFORMER STN.	27011	81	43:04	79:11	.	.	T	37	.	.	T	.	.
HAMILTON	N. BRAMPTON/WOODWARD	29026	75	43:15	79:46	T	10	.	.	T	91	T	.	T
TORONTO	51 LARCHMOUNT AVE., BRUCE P.S.	31045	75	43:39	79:25	T	21	.	.	.	.	.	.	.
TORONTO EAST	KENNEDY/LAWRENCE	33003	75	43:45	79:16	T	12	.	.	T	76	T	.	T
ETOBICOKE	EVANS/ARNOLD AVE.	35033	75	43:37	79:31	T	10	T	30	T	91	T	T	T
BURLINGTON	HWY 2/ NORTH SHORE BLVD.	44008	79	43.19	79:48	T	10	.	.	.	.	.	.	.
OAKVILLE	BRONTE RD./WOBURN CRES.	44015	80	43:24	79:44	T	10	.	.	.	.	.	.	.
STOUFFVILLE	HWY 47 (E. HWY 48)	48002	82	43:58	79:16	T	10	.	.	.	.	T	.	.
KINGSTON	133 DALTON ST.	52020	93	44:15	76:31	T	10	.	.	.	.	.	.	.
DRYDEN	35 VAN HORNE AVE.	61027	84	49:47	92:50	T	18	.	.	.	.	.	.	.
FORT FRANCES	EIGHTH ST./CORNWALL AVE.	62047	90	48:37	93:25	T	10	.	.	.	.	T	.	.
MARATHON	PETER ST.	63033	91	48:43	86:23	T	8	.	.	.	.	.	.	.
TERRACE BAY	SELKIRK ST., ST. MARTIN SCHOOL	63090	82	48:47	87:05	T	12	.	.	.	.	.	.	.
THUNDER BAY	615 JAMES ST. S., MOT	63200	90	48:22	89:17	T	10	.	.	.	.	.	.	.

Table 4: Ontario Meteorological Network for 2000

CITY	STATION NAME	ID	YR.	LAT.	LONG.	WS1	HT1	WS2	HT2	WS3	HT3	TEM	DT1	DT2
SAULT STE. MARIE	PATRICK ST., WM. MERRIFIELD SCHOOL	71068	87	46:32	84:21	T	10	.	.	.	.	T	.	.
NORTH BAY	CHIPPEWA ST.	75010	87	46:19	79:27	T	10	.	.	.	.	T	.	.
SUDBURY	HANMER	77013	82	46:39	80:57	T	10	.	.	.	.	T	.	.
SUDBURY	699 FROOD RD., CKNC-TV	77025	73	46:30	81:00	T	10	.	.	T	115	T	.	T
TOTALS:						**28**	**28**	**4**	**4**	**7**	**7**	**15**	**3**	**5**

RECENT CHANGES TO THE 2000 METEOROLOGICAL NETWORK:

Stations removed from the network: Flamborough (29117); Hamilton (29531); Toronto (31025 and 31120); Cornwall (56051); and Red Rock (63084).

LEGEND:

ID - Station identification number
YR. - Year station monitoring began
LAT. - Latitude (degrees:minutes)
T - Telemetry
LONG. - Longitude (degrees:minutes)

WS1 - Wind speed and wind direction below 23 m
HT1 - Sensor height (meters) level 1
WS2 - Wind speed and wind direction 23 m to 76 m
HT2 - Sensor height (meters) level 2
WS3 - Wind speed and wind direction above 76 m
HT3 - Sensor height (meters) level 3

TEM - Ambient temperature
DT1 - Temperature difference level 2 minus 1
DT2 - Temperature difference level 3 minus 1

Table 5: Sulphur Dioxide (SO_2) Statistics (2000)

Unit: parts per billion (ppb)
SO_2 1-hour AAQC is 250 ppb
SO_2 24-hour AAQC is 100 ppb
SO_2 1-year AAQC is 20 ppb

				PERCENTILES								Maximum		# of Times Above Criteria		
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
12007	Windsor	Wright/Water St.	7975	1	2	4	6	12	28	5.6	100	20.2	0	0	0
12008	Windsor Downtown	467 University Ave. W.	8671	1	2	3	7	15	39	6.2	91	25.2	0	0	0
12009	Windsor	Tecumseh Water Treatment Plant	8645	0	1	3	5	10	29	4.4	98	18.8	0	0	0
12016	Windsor West	College/South St.	8776	1	3	6	10	20	44	8.8	182	45.1	0	0	0
14016	Courtright	HWY 40 (opposite OPG)	8711	1	3	5	8	16	64	8.0	149	33.6	0	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8653	1	2	3	6	25	114	10.4	239	78.1	0	0	0
15025	London	900 Highbury Ave.	8502	0	1	2	4	8	17	3.5	32	15.8	0	0	0
22071	Simcoe	HWY 3/Blue Line Rd.	8586	1	2	3	5	9	21	4.3	90	20.2	0	0	0
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	8724	1	2	3	5	11	33	4.9	213	51.4	0	0	0
22901	Long Point	Provincial Park	8621	0	1	3	4	8	20	3.7	65	16.1	0	0	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	8336	1	2	3	5	11	27	4.9	206	42.7	0	0	0
22907	Nanticoke	Nanticoke Village	8736	1	3	4	7	16	43	7.0	131	38.0	0	0	0
26060	Kitchener	West Ave./Homewood	8732	1	1	2	3	7	16	3.2	37	16.7	0	0	0
26070	Elmira	Union/Park	8016	0	1	2	3	7	39	3.4	132	24.8	0	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	7773	0	1	2	3	7	17	3.0	38	13.0	0	0	0
29000	Hamilton Downtown	Elgin/Kelly	8673	0	1	3	5	12	37	5.1	76	24.0	0	0	0
29025	Hamilton	Barton/Sanford	8705	1	2	4	7	17	46	7.0	86	29.9	0	0	0
29102	Hamilton	467 Beach Blvd.	8655	0	1	4	9	26	65	9.4	121	38.1	0	0	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	8559	0	2	4	6	13	33	5.8	85	24.5	0	0	0
29118	Hamilton West	Main St. W./HWY 403	8460	0	1	3	5	9	21	4.0	51	14.8	0	0	0
31103	Toronto Downtown	Bay/Wellesley	6262	2	3	3	5	9	20	4.7	51	17.0	0	0	0
35003	Toronto West	Elmcrest Rd., Centennial Park.	8568	1	1	2	4	8	21	3.6	165	24.8	0	0	0
35033	Etobicoke	Evans/Arnold Ave.	8617	2	3	4	5	10	20	5.2	65	19.5	0	0	0
36030	York	Clearview Heights	8623	1	2	3	5	9	22	4.4	102	17.4	0	0	0
44008	Burlington	HWY 2/North Shore Blvd. E.	8752	2	3	4	5	10	22	5.2	65	31.0	0	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	7903	1	2	3	6	10	22	4.8	42	18.9	0	0	0

Table 5: Sulphur Dioxide (SO_2) Statistics (2000)

Unit: parts per billion (ppb)
SO_2 1-hour AAQC is 250 ppb
SO_2 24-hour AAQC is 100 ppb
SO_2 1-year AAQC is 20 ppb

				PERCENTILES							Maximum		# of Times Above Criteria		
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h	1y
46089	Brampton	525 Main St. N., Peel Manor	4396	0	0	1	3	6	17	INS	50	11.1	0	0	0
46110	Mississauga	Queensway W./Hurontario St.	8738	2	2	3	5	8	21	4.6	279	42.0	1	0	0
51001	Ottawa	Rideau/Wurtemburg St.	8640	0	2	3	6	9	15	4.1	32	15.9	0	0	0
56051	Cornwall	Bedford/Third St. S., Memorial Park	8627	1	1	3	4	7	18	3.5	67	17.4	0	0	0
59006	Peterborough	10 Hospital Dr.	8553	0	0	1	2	4	12	1.7	21	10.8	0	0	0
63200	Thunder Bay	615 James St. S., MTO	8749	0	0	0	0	1	5	0.3	37	3.08	0	0	0
71068	Sault Ste. Marie	Patrict St., Wm. Merrifield School	8664	0	0	1	2	4	31	2.0	94	21.2	0	0	0
77012	Sudbury	Skead	8692	0	0	0	1	9	94	5.2	630	63.7	8	0	0
77013	Sudbury	Hanmer	8738	0	0	1	2	6	67	4.0	381	65.1	3	0	0
77016	Sudbury	Ash St., Water Tank	8768	0	0	2	4	12	79	5.6	379	48.3	3	0	0
77028	Coniston	Government Rd./Edward St.	8775	0	0	1	2	6	54	3.6	567	63.2	5	0	0
77065	Garson	Falconbridge Rd.	8770	0	0	1	3	7	64	4.1	799	53.3	2	0	0
77075	New Sudbury	Kennedy St.	8522	0	0	1	2	7	59	3.8	500	33.7	2	0	0
77201	Sudbury	Mikkola, J. Hamilton School	8772	0	0	0	1	5	60	3.2	420	53.3	6	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8746	0	0	1	3	7	60	4.2	567	47.6	5	0	0
77206	Rayside	St. Laurent/Regional Rd.	8737	0	0	0	1	3	28	1.7	244	36.8	0	0	0
77218	Copper Cliff	Market St.	8759	0	0	0	1	10	72	4.3	280	75.7	2	0	0
77225	Sudbury	Robinson School	8630	0	1	2	3	9	72	4.9	352	44.3	6	0	0
77228	Sudbury	Dozzi Park	8737	0	0	0	1	10	65	3.8	279	42.7	1	0	0

Table 6: Suspended Particles (SP) Statistics (2000)

Unit: COHS/1000 FT
COH 24-hour AAQC is 1.0 COH unit
COH 1-year AAQC is 0.5 COH unit

				PERCENTILES							Maximum		# of Times Above Criteria	
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	24h	1y
12008	Windsor Downtown	467 University Ave. W.	8655	0.0	0.1	0.1	0.2	0.3	0.7	0.16	1.5	0.54	0	0
12016	Windsor West	College/South St.	8451	0.1	0.1	0.2	0.3	0.4	0.9	0.22	1.8	0.64	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8496	0.0	0.1	0.1	0.2	0.3	0.7	0.16	1.5	0.54	0	0
15025	London	900 Highbury Ave.	8170	0.0	0.1	0.1	0.2	0.3	0.6	0.14	1.6	0.48	0	0
22907	Nanticoke	Nanticoke Village	8329	0.0	0.1	0.1	0.2	0.4	0.6	0.17	1.4	0.59	0	0
26060	Kitchener	West Ave./Homewood	8470	0.0	0.1	0.1	0.2	0.3	0.7	0.16	2.4	0.64	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	8487	0.0	0.1	0.2	0.2	0.4	0.8	0.19	1.8	0.83	0	0
29000	Hamilton Downtown	Elgin/Kelly	8439	0.1	0.1	0.2	0.3	0.6	1.3	0.31	3.5	1.39	2	0
29025	Hamilton	Barton/Sanford	8594	0.1	0.2	0.2	0.3	0.6	1.2	0.30	3.0	1.06	2	0
29102	Hamilton	467 Beach Blvd.	8408	0.1	0.1	0.3	0.4	0.6	1.2	0.32	2.5	1.04	1	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	8578	0.0	0.1	0.1	0.2	0.4	0.8	0.18	1.9	0.88	0	0
29118	Hamilton West	Main St. W./HWY 403	8210	0.1	0.1	0.2	0.3	0.5	0.9	0.23	1.4	0.89	0	0
29547	Hamilton	Pier 25/Beach Strip	8507	0.1	0.2	0.3	0.4	0.6	1.2	0.32	3.9	0.93	0	0
29565	Hamilton	Homeside II	3008	0.0	0.1	0.2	0.3	0.6	1.2	INS	2.1	0.94	0	0
29567	Hamilton	Niagara/Land St.	7362	0.1	0.2	0.4	0.6	1.0	2.0	0.51	5.0	1.51	15	1
35033	Etobicoke	Evans/Arnold Ave.	8473	0.1	0.2	0.3	0.4	0.7	1.4	0.33	2.9	1.11	2	0
36030	York	Clearview Heights	8477	0.1	0.1	0.2	0.3	0.5	1.2	0.23	2.7	1.00	1	0
44015	Oakville	Bronte Rd./Woburn Cres.	8513	0.0	0.1	0.2	0.3	0.5	1.1	0.24	4.5	1.31	3	0
46110	Mississauga	Queensway W./Hurontario St.	8223	0.1	0.2	0.2	0.4	0.6	1.5	0.33	3.2	0.95	0	0
56051	Cornwall	Bedford/Third, Memorial Park	4019	0.0	0.1	0.1	0.2	0.3	0.8	INS	1.3	0.73	0	0
62200	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	3755	0.0	0.0	0.0	0.0	0.0	1.0	INS	1.0	0.21	0	0
63200	Thunder Bay	615 James St. S., MTO	8544	0.0	0.1	0.1	0.2	0.4	0.8	0.16	1.8	0.71	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8480	0.0	0.1	0.1	0.2	0.5	1.2	0.20	3.5	1.00	1	0
75010	North Bay	Chippawa St., Dept. National Defense	3429	0.0	0.0	0.1	0.1	0.3	0.6	INS	1.1	0.44	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8414	0.0	0.0	0.1	0.1	0.2	0.4	0.08	1.0	0.46	0	0

Table 7: Total Reduced Sulphur (TRS) Statistics (2000)

Unit: parts per billion (ppb)

TRS 1-hour AAQC is 27 ppb

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times
				10%	30%	50%	70%	90%	99%		1h	24h	Above Criterion
12007	Windsor	Wright/Water St.	8755	0	0	1	1	3	14	1.4	43	11.3	12
12016	Windsor West	College/South St.	8759	0	0	0	1	3	13	1.1	101	19.3	26
14064	Sarnia	Front St./CN Tracks, Centennial Park	8642	0	0	0	1	2	5	0.7	16	3.6	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	8499	0	0	0	1	1	3	0.5	21	4.2	0
22907	Nanticoke	Nanticoke Village	8737	0	0	1	1	2	6	0.9	35	6.4	3
26070	Elmira	Union/Park	8514	0	0	1	1	2	5	0.7	24	6.8	0
29000	Hamilton Downtown	Elgin/Kelly	8667	0	0	0	1	2	7	0.7	42	7.8	1
29025	Hamilton	Barton/Sanford	8679	0	0	1	1	2	8	1.0	20	6.2	0
29102	Hamilton	467 Beach Blvd.	7349	0	0	1	1	3	10	1.3	38	9.0	2
29114	Hamilton Mountain	Vickers Rd./East 18th St.	5809	0	0	0	1	1	4	0.5	12	4.0	0
29118	Hamilton West	Main St. W./HWY 403	8700	0	0	0	1	1	4	0.6	14	3.8	0
29547	Hamilton	Pier 25/Beach Strip	7372	0	0	1	1	4	15	1.5	49	8.0	8
29567	Hamilton	Niagara/Land St.	7402	0	0	1	1	3	11	1.3	69	10.2	4
44015	Oakville	Bronte Rd./Woburn Cres.	8513	0	1	1	1	2	5	1.2	9	5.0	0
56051	Cornwall	Bedford/Third St. S., Memorial Park	8475	0	0	1	1	3	7	1.1	18	7.4	0
61027	Dryden	35 Van Horne Ave.	8765	0	0	0	0	1	11	0.6	39	7.6	2
62030	Fort Frances	Portage/Church St.	8721	0	0	0	1	7	19	2.1	71	15.9	24
62032	Fort Frances	Colonization Rd. W., Cemetery	8738	0	0	0	0	2	9	0.7	124	11.6	7
62047	Fort Frances	Eighth St./Cornwall Ave.	8683	0	0	0	0	3	22	1.3	96	15.0	56
62200	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	8486	0	0	0	0	2	8	0.5	52	5.4	6
63033	Marathon	Peter St.	8398	0	0	0	0	0	2	0.1	20	3.2	0
63046	Thunder Bay	Montreal St., Bombardier	8763	0	0	0	1	4	20	1.5	66	13.9	37
63084	Red Rock	Brompton Rd., Recreation Ctr	8515	0	0	0	0	6	63	3.2	281	104.6	273
63090	Terrace Bay	Selkirk St., St. Martin School	8646	0	0	0	0	2	16	0.9	70	12.7	41
63092	Terrace Bay	Terrace Heights Dr.	8718	0	0	0	0	3	21	1.3	77	16.9	51
63200	Thunder Bay	615 James St. S., MTO	8738	0	0	0	0	0	4	0.2	31	3.0	1
63202	Thunder Bay	Victor St.	5638	0	0	0	0	2	13	0.7	33	8.4	5
63204	Thunder Bay	Mary St.	1957	0	0	0	0	1	7	INS	14	5.3	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8003	0	0	0	0	1	4	0.3	13	3.2	0
72115	Smooth Rock Falls	54 Second Ave.	4603	0	0	0	0	5	42	INS	120	30.0	102
77203	Sudbury	100 Ramsey Lake Rd., Science North	7659	0	0	0	0	1	1	0.1	5	0.9	0

Table 8: Carbon Monoxide (CO) Statistics (2000)

Unit: parts per million (ppm)
CO 1-hour AAQC is 30 ppm
CO 8-hour AAQC is 13 ppm

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%		1h	8h	1h	8h
12008	Windsor Downtown	467 University Ave. W.	8586	0.01	0.08	0.16	0.28	0.60	1.97	0.27	11.82	3.57	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8645	0.23	0.31	0.37	0.46	0.64	1.11	0.42	3.86	1.69	0	0
15025	London	900 Highbury Ave.	8496	0.00	0.05	0.11	0.19	0.34	0.95	0.16	2.47	1.46	0	0
26060	Kitchener	West Ave./Homewood	8726	0.19	0.29	0.37	0.45	0.62	1.69	0.41	4.98	3.34	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	8064	0.12	0.23	0.30	0.39	0.61	1.47	0.35	3.83	2.07	0	0
29000	Hamilton Downtown	Elgin/Kelly	8588	0.47	0.58	0.69	0.82	1.12	2.02	0.76	7.28	2.50	0	0
29118	Hamilton West	Main St. W./HWY 403	8426	0.18	0.30	0.40	0.53	0.86	1.72	0.47	3.05	2.02	0	0
31103	Toronto Downtown	Bay/Wellesley	6272	0.35	0.76	1.32	1.70	2.12	2.56	1.26	3.61	2.72	0	0
35003	Toronto West	Elmcrest Rd., Centennial Park	8729	1.10	1.41	1.64	1.96	2.58	3.91	1.77	7.72	4.88	0	0
35033	Etobicoke	Evans/Arnold Ave.	8619	0.58	1.13	1.97	2.25	2.66	3.39	1.72	6.02	4.20	0	0
36030	York	Clearview Heights	8514	0.30	0.58	0.76	1.04	1.78	3.31	0.94	8.60	5.33	0	0
44008	Burlington	HWY 2/North Shore Blvd. E.	8492	1.02	1.21	1.38	1.57	1.74	2.16	1.39	2.99	2.23	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	8589	0.12	0.24	0.35	0.48	0.87	1.44	0.42	3.32	2.11	0	0
46089	Brampton	525 Main St. N., Peel Manor	4599	0.68	0.98	1.23	1.58	2.20	3.08	INS	6.60	3.71	0	0
46110	Mississauga	Queensway W./Hurontario St.	8743	0.81	1.10	1.37	1.57	1.86	2.85	1.37	7.26	4.95	0	0
51001	Ottawa	Rideau/Wurtemburg St.	8652	0.40	0.50	0.58	0.70	0.98	1.68	0.65	3.22	1.96	0	0
56051	Cornwall	Bedford/Third St. S., Memorial Park	8614	0.00	0.00	0.00	0.00	1.00	2.00	0.29	4.00	3.00	0	0
59006	Peterborough	10 Hospital Dr.	8648	0.46	0.71	0.81	0.91	1.11	1.78	0.82	3.22	1.97	0	0
63200	Thunder Bay	615 James St. S., MTO	8707	0.38	0.58	0.78	0.98	1.26	1.87	0.81	4.77	2.64	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8437	0.00	0.00	0.10	0.20	0.47	0.83	0.17	2.00	1.00	0	0

Table 9: Nitrogen Dioxide (NO_2) Statistics (2000)

Unit: parts per billion (ppb)
NO_2 1-hour AAQC is 200 ppb
NO_2 24-hour AAQC is 100 ppb

				PERCENTILES							Maximum		# of Times Above Criteria	
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h
12008	Windsor Downtown	467 University Ave. W.	8552	9	14	20	26	37	54	21.6	104	44.7	0	0
12009	Windsor	Tecumseh Water Treatment Plant	7286	5	9	14	20	31	45	16.0	73	39.6	0	0
12016	Windsor West	College/South St.	4395	8	14	19	25	35	47	INS	61	41.5	0	0
14064	Sarnia	Front St./CN Tracks, Centennial Park	8546	4	8	13	21	33	50	16.3	156	44.6	0	0
15025	London	900 Highbury Ave.	7612	6	10	15	21	33	52	17.4	88	49.5	0	0
22071	Simcoe	HWY 3/Blue Line Rd.	8521	3	5	7	10	16	30	8.6	45	27.6	0	0
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	8715	2	3	5	8	13	25	6.5	40	20.2	0	0
22901	Long Point	Provincial Park	8386	2	3	5	7	13	24	6.3	40	22.1	0	0
26060	Kitchener	West Ave./Homewood	8721	5	8	12	18	30	43	14.7	57	40.7	0	0
27067	Niagara Region	Argyle Cres., Pump Stn.	8498	8	11	15	20	29	40	16.9	56	37.6	0	0
29000	Hamilton Downtown	Elgin/Kelly	8657	10	15	20	27	37	50	21.8	73	44.3	0	0
29102	Hamilton	467 Beach Blvd.	7903	6	13	22	30	41	53	22.7	77	49.0	0	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	2231	4	9	13	20	30	40	INS	52	35.1	0	0
29118	Hamilton West	Main St. W./HWY 403	8640	8	13	19	26	37	50	21.0	76	44.9	0	0
31103	Toronto Downtown	Bay/Wellesley	8127	13	19	25	32	44	59	26.8	87	52.8	0	0
31190	Toronto	CN Tower **	8728	3	6	9	13	22	42	11.3	79	33.0	0	0
33003	Toronto East	Lawrence/Kennedy	8655	9	16	22	29	41	57	23.7	86	49.2	0	0
34020	Toronto North	Yonge St./Finch Ave.	8651	7	13	21	29	41	56	22.7	81	52.5	0	0
35003	Toronto West	Elmcrest Rd., Centennial Park	8735	9	15	22	29	40	55	23.2	84	50.1	0	0
35033	Etobicoke	Evans/Arnold Ave.	8610	13	20	26	34	46	63	28.2	106	64.2	0	0
36030	York	Clearview Heights	8675	7	11	16	22	34	63	18.9	157	69.5	0	0
44008	Burlington	HWY 2/North Shore Blvd. E.	8461	7	13	19	25	36	51	20.3	79	51.1	0	0
44015	Oakville	Bronte Rd./Woburn Cres.	8472	7	11	15	21	31	45	17.2	108	40.5	0	0
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8739	6	11	18	25	37	54	19.7	84	47.3	0	0
46089	Brampton	525 Main St. N., Peel Manor	4397	6	10	15	24	36	50	INS	72	42.2	0	0
46110	Mississauga	Queensway W./Hurontario St.	8430	8	14	20	27	39	50	21.8	68	41.0	0	0
48002	York Region	HWY 47/E. of HWY 48	8445	4	7	10	15	27	46	12.8	97	43.9	0	0
49010	Haliburton	HWY 117/Paint Lake Rd.	8646	1	1	2	3	7	18	2.9	33	20.3	0	0
51001	Ottawa	Rideau/Wurtemburg St.	8643	4	7	11	17	28	44	13.8	66	38.3	0	0

Table 9: Nitrogen Dioxide (NO_2) Statistics (2000)

Unit: parts per billion (ppb)
NO_2 1-hour AAQC is 200 ppb
NO_2 24-hour AAQC is 100 ppb

				PERCENTILES							Maximum		# of Times Above Criteria	
ID	City	Location	Valid h	10%	30%	50%	70%	90%	99%	Mean	1h	24h	1h	24h
56051	Cornwall	Bedford/Third St. S., Memorial Park	6531	3	6	8	12	21	40	10.5	71	44.7	0	0
59006	Peterborough	10 Hospital Dr.	8638	2	5	8	13	24	43	10.9	58	43.0	0	0
63200	Thunder Bay	615 James St. S., MTO	8464	3	6	9	15	26	40	12.2	59	30.8	0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7834	3	5	9	14	23	38	10.9	58	35.7	0	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	7497	2	4	6	10	17	37	8.6	50	29.1	0	0

Notes:

*- ** CN Tower Site - measurements taken at 444 m above ground level*

Table 10: Nitrogen Oxide (NO) Statistics (2000)

Unit: parts per billion (ppb)

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum	
				10%	30%	50%	70%	90%	99%		1h	24h
12008	Windsor Downtown	467 University Ave. W.	8552	3	4	7	12	30	114	13.9	444	115.3
12009	Windsor	Tecumseh Water Treatment Plant	7286	1	3	5	7	17	69	8.4	277	78.4
12016	Windsor West	College/South St.	4395	2	3	6	12	38	152	INS	366	107.7
14064	Sarnia	Front St./CN Tracks, Centennial Park	8546	1	3	5	8	19	64	8.9	302	64.0
15025	London	900 Highbury Ave.	7612	1	2	3	6	17	90	8.0	250	66.3
22071	Simcoe	HWY 3/Blue Line Rd.	8521	0	0	0	1	3	11	1.2	39	9.9
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	8715	2	2	2	3	5	15	3.1	52	10.5
22901	Long Point	Provincial Park	8386	0	0	0	0	2	8	0.6	42	7.0
26060	Kitchener	West Ave./Homewood	8721	1	1	2	4	14	106	7.4	347	102.3
27067	Niagara Region	Argyle Cres., Pump Stn.	8498	0	1	3	9	34	128	12.4	444	123.9
29000	Hamilton Downtown	Elgin/Kelly	8657	1	3	5	11	36	146	14.7	421	154.8
29102	Hamilton	467 Beach Blvd.	7970	1	3	12	26	53	148	22.2	495	120.4
29114	Hamilton Mountain	Vickers Rd./East 18th St.	2231	1	2	3	6	20	79	INS	181	51.8
29118	Hamilton West	Main St. W./HWY 403	8640	2	4	7	16	64	199	22.6	383	176.3
31103	Toronto Downtown	Bay/Wellesley	8127	3	4	6	12	32	125	14.4	325	130.3
31190	Toronto	CN Tower **	8728	0	1	2	2	7	30	3.3	193	21.0
33003	Toronto East	Lawrence/Kennedy	8655	1	4	10	19	51	222	23.0	826	185.3
34020	Toronto North	Yonge St./Finch Ave.	8651	1	3	6	14	44	152	16.8	501	138.5
35003	Toronto West	Elmcrest Rd., Centennial Park	8735	1	3	5	12	47	223	19.3	481	160.3
35033	Etobicoke	Evans/Arnold Ave.	8610	3	9	17	31	76	294	34.6	704	208.5
36030	York	Clearview Heights	8675	1	3	6	13	49	254	20.6	700	204.0
44008	Burlington	HWY 2/North Shore Blvd. E.	8461	2	5	9	17	51	210	21.8	533	171.1
44015	Oakville	Bronte Rd./Woburn Cres.	8472	4	5	7	11	39	127	16.2	445	107.5
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8739	1	2	5	12	35	132	14.2	258	117.0
46089	Brampton	525 Main St. N., Peel Manor	4397	1	3	4	8	39	142	INS	384	101.5
46110	Mississauga	Queensway W./Hurontario St.	8430	3	5	9	16	58	223	23.6	479	153.5
48002	York Region	HWY 47/E. of HWY 48	8445	1	2	3	5	13	59	6.5	232	60.3
49010	Haliburton	HWY 117/Paint Lake Rd.	8646	0	0	0	0	0	3	0.1	12	3.2
51001	Ottawa	Rideau/Wurtemburg St.	8643	4	5	7	9	19	86	11.0	261	78.2
56051	Cornwall	Bedford/Third St. S., Memorial Park	6531	0	0	1	2	6	58	3.4	232	49.2
59006	Peterborough	10 Hospital Dr.	8638	0	1	2	3	9	55	4.6	151	40.6
63200	Thunder Bay	615 James St. S., MTO	8464	1	2	4	7	24	87	9.4	291	60.2
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7834	0	1	2	4	13	62	5.9	222	50.0
77203	Sudbury	100 Ramsey Lake Rd., Science North	7497	1	1	2	4	10	40	4.5	150	52.0

Notes:

*- ** CN Tower site - measurements taken at 444 m above ground level*

Table 11: Nitrogen Oxides (NO_x) Statistics (2000)

Unit: parts per billion (ppb)

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum	
				10%	30%	50%	70%	90%	99%		1h	24h
12008	Windsor Downtown	467 University Ave. W.	8552	14	20	28	39	64	161	36.0	527	159.4
12009	Windsor	Tecumseh Water Treatment Plant	7286	8	12	18	25	44	103	23.4	328	98.7
12016	Windsor West	College/South St.	4395	12	19	26	38	71	186	INS	412	149.3
14064	Sarnia	Front St./CN Tracks, Centennial Park	8546	7	12	18	29	51	103	25.0	459	98.0
15025	London	900 Highbury Ave.	7612	7	12	17	26	47	136	24.7	297	103.5
22071	Simcoe	HWY 2/Blue Line Rd.	8521	3	5	7	11	19	36	9.5	67	37.2
22086	Nanticoke	Cheapside Rd. (3 km S. of HWY 3)	8715	3	5	7	11	18	34	9.4	73	30.0
22901	Long Point	Provincial Park	8386	2	3	5	8	15	29	7.1	74	26.4
26060	Kitchener	West Ave./Homewood	8721	6	10	14	22	43	138	21.9	377	133.8
27067	Niagara Region	Argyle Cres., Pump Stn.	8498	8	13	19	29	60	160	28.8	501	148.8
29000	Hamilton Downtown	Elgin/Kelly	8657	13	19	26	38	70	191	37.0	484	198.8
29102	Hamilton	467 Beach Blvd.	7970	7	18	37	56	88	192	44.6	559	162.1
29114	Hamilton Mountain	Vickers Rd./East 18th St.	2231	7	12	17	27	50	111	INS	214	87.1
29118	Hamilton West	Main St. W./HWY 403	8640	11	18	27	43	97	236	43.5	428	219.3
31103	Toronto Downtown	Bay/Wellesley	8127	16	23	31	43	73	177	40.4	396	180.6
31190	Toronto	CN Tower ••	8728	4	7	11	16	29	69	14.6	272	48.4
33003	Toronto East	Lawrence/Kennedy	8655	11	22	32	48	90	277	46.3	900	227.2
34020	Toronto North	Yonge St./Finch Ave.	8651	8	17	28	44	82	200	39.3	581	185.9
35003	Toronto West	Elmcrest Rd., Centennial Park	8735	11	19	27	41	85	271	42.3	549	207.8
35033	Etobicoke	Evans/Arnold Ave.	8610	18	32	44	65	119	350	63.1	803	260.3
36030	York	Clearview Heights	8675	8	14	22	35	79	315	38.8	808	259.8
44008	Burlington	HWY 2/North Shore Blvd. E.	8461	10	19	29	42	86	247	42.2	597	221.7
44015	Oakville	Bronte Rd./Woburn Cres.	8472	10	16	22	32	68	167	33.0	524	136.8
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8739	7	14	24	38	70	174	33.6	317	158.8
46089	Brampton	525 Main St. N., Peel Manor	4397	8	12	20	33	73	183	INS	439	142.3
46110	Mississauga	Queensway W./Hurontario St.	8430	13	20	28	44	94	265	45.2	530	192.1
48002	York Region	HWY 47/E. of HWY 48	8445	6	9	13	19	38	98	18.8	272	97.2
49010	Haliburton	HWY 117/Paint Lake Rd.	8646	1	1	2	3	7	19	3.0	37	22.0
51001	Ottawa	Rideau/Wurtemburg St.	8643	9	13	18	26	45	122	24.4	302	106.4
56051	Cornwall	Bedford/Third St. S., Memorial Park	6531	4	6	10	14	27	88	14.2	284	85.4

Table 11: Nitrogen Oxides (NO_x) Statistics (2000)

Unit: parts per billion (ppb)

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum	
				10%	30%	50%	70%	90%	99%		1h	24h
59006	Peterborough	10 Hospital Dr.	8638	4	7	10	16	32	91	15.5	190	78.6
63200	Thunder Bay	615 James St. S., MTO	8464	5	9	14	22	48	120	21.9	350	87.6
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	7834	3	6	10	18	35	93	16.3	271	85.2
77203	Sudbury	100 Ramsey Lake Rd., Science North	7497	3	6	8	13	26	72	12.6	192	76.6

Notes:

*- ** CN Tower site - measurements taken at 444 m above ground level*

Table 12: Ozone (O_3) Statistics (2000)

Unit: parts per billion (ppb)

O_3 1-hour AAQC is 80 ppb

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times
				10%	30%	50%	70%	90%	99%		1h	24h	Above Criterion
12008	Windsor Downtown	467 University Ave. W.	8663	1	7	16	25	41	66	18.6	103	61.4	22
12016	Windsor West	College/South St.	8773	0	5	14	23	40	64	17.0	106	59.3	13
13021	Merlin	Middle Rd., MOE Water Pump Stn.	8745	6	16	23	31	44	71	24.6	99	68.8	33
14064	Sarnia	Front St./CN Tracks, Centennial Park	8457	4	15	24	32	43	68	24.3	107	61.3	15
14118	Mandaumin	Concession Rd. 26	8645	8	17	25	32	44	71	25.9	122	68.1	42
15009	Longwoods	Longwoods Conservation Authority	8720	5	16	24	32	45	71	24.9	105	66.0	29
15013	Parkhill	Puc Building	8623	9	19	26	34	45	69	27.3	98	60.6	19
15020	Grand Bend	HWY 21/County Rd. 85	8754	12	24	32	39	51	78	32.6	128	79.7	76
15025	London	900 Highbury Ave.	8476	3	12	20	27	40	64	21.1	110	64.6	20
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	8703	17	27	32	37	47	70	32.3	109	75.3	36
22071	Simcoe	HWY 3/Blue Line Rd.	8633	12	20	27	35	51	78	29.3	117	89.9	79
22901	Long Point	Provincial Park	8075	15	24	31	39	55	83	33.1	115	94.1	105
26060	Kitchener	West Ave./Homewood	8737	2	14	23	30	42	66	23.0	95	68.3	25
27067	Niagara Region	Argyle Cres., Pump Stn.	8614	0	9	17	26	39	63	18.9	89	70.2	14
28028	Guelph	Exhibition/Clark St.	4164	4	14	22	30	43	68	INS	88	59.1	11
29000	Hamilton Downtown	Elgin/Kelly	8748	0	7	15	23	37	62	17.0	88	57.2	12
29114	Hamilton Mountain	Vickers Rd./East 18th St.	8368	2	13	21	29	43	69	22.6	93	74.0	22
29118	Hamilton West	Main St. W./HWY 403	8749	0	6	15	24	35	61	16.9	88	55.2	8
31103	Toronto Downtown	Bay/Wellesley	8571	3	10	17	25	39	62	19.7	99	54.5	12
31190	Toronto	CN Tower **	8744	17	26	33	40	53	75	34.2	100	78.7	53
33003	Toronto East	Kennedy/Lawrence	8631	3	10	18	25	39	61	19.6	88	54.4	11
34020	Toronto North	Yonge St./Finch Ave.	8738	4	10	20	28	39	59	20.6	88	56.5	8
35003	Toronto West	Elmcrest Rd., Centennial Park	8737	3	8	18	26	41	66	20.1	97	61.7	24
35033	Etobicoke	Evans/Arnold Ave.	8588	3	8	14	22	37	62	17.4	94	56.7	16
36030	York	Clearview Heights	8681	3	8	17	26	39	64	19.3	94	54.4	15
44008	Burlington	HWY 2/North Shore Blvd E.	8749	4	13	22	31	44	65	23.4	89	60.8	14
44015	Oakville	Bronte Rd./Woburn Cres.	8419	3	10	20	29	41	63	21.0	93	61.8	12

Table 12: Ozone (O_3) Statistics (2000)

Unit: parts per billion (ppb)

O_3 1-hour AAQC is 80 ppb

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times
				10%	30%	50%	70%	90%	99%		1h	24h	Above Criterion
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8709	4	13	21	28	37	59	21.2	99	51.2	6
46089	Brampton	525 Main St. N., Peel Manor	4398	2	10	20	28	42	66	INS	90	57.5	10
46110	Mississauga	Queensway W./Hurontario St.	8735	3	8	18	26	42	66	19.9	95	59.9	21
47005	Georgian Bay South	1385 River Road East	2620	1	10	17	24	39	66	INS	81	51.7	1
48002	York Region	HWY 47/E. of HWY 48	8691	9	21	28	33	43	65	27.5	90	58.3	15
49010	Haliburton	HWY 117/Paint Lake Rd.	8659	11	22	30	36	45	66	29.3	86	59.3	13
51001	Ottawa	Rideau/Wurtemburg St.	8644	4	12	20	26	35	49	19.9	69	42.4	0
52020	Kingston	133 Dalton St.	8694	0	9	19	27	37	58	19.1	91	55.0	8
56051	Cornwall	Bedford/Third St. S., Memorial Park	8158	8	17	24	30	39	56	24.0	73	61.3	0
59006	Peterborough	10 Hospital Dr.	8647	9	21	28	35	45	68	28.1	106	60.0	17
62200	Fort Frances	Armit Ave./4th St., Robert Moore P.S.	7348	12	20	26	31	38	52	25.4	67	50.0	0
63200	Thunder Bay	615 James St. S., MTO	8750	4	15	24	31	38	49	22.6	73	62.0	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8395	6	17	25	32	41	58	24.8	82	65.7	1
75010	North Bay	Chippawa St., Dept. National Defense	8617	5	15	23	29	37	51	22.1	67	46.2	0
77203	Sudbury	100 Ramsey Lake Rd., Science North	8470	10	20	26	32	41	57	26.1	95	52.9	1

Notes:

*- ** CN Tower site - measurements taken at 444 m above ground level*

Table 13: Inhalable Particles (PM_{10}) Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

PM_{10} 24-hour interim AAQC is 50 $\mu g/m^3$

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times
				10%	30%	50%	70%	90%	99%		1 h	24 h	Above Criterion
12016	Windsor West	College/South St.	8607	9	14	20	28	45	74	24.2	307	78.2	9
14064	Sarnia	Front St./CN Tracks, Centennial Park	7826	5	9	14	22	37	60	18.1	267	49.3	0
15025	London	900 Highbury Ave.	8139	6	10	15	21	34	57	17.9	127	47.8	0
29565	Hamilton	Homeside II	2039	10	17	23	33	51	102	INS	221	56.8	5
29567	Hamilton	Niagara/Land St.	7453	6	14	22	34	61	129	29.5	262	81.7	27
33003	Toronto East	Kennedy/Lawrence	8488	6	10	15	21	35	62	18.3	125	47.8	0
35003	Toronto West	Elmcrest Rd., Centennial Park	8721	7	11	16	23	36	60	19.2	112	54.1	1
35033	Etobicoke	Evans/Arnold Ave.	8027	8	14	20	28	44	78	23.7	158	74.9	4
44008	Burlington	HWY 2/North Shore Blvd. E.	8351	6	10	15	21	34	53	17.7	104	44.7	0
48002	York Region	HWY 47/E. of HWY 48	8609	5	9	13	19	33	56	16.3	192	50.5	1
59006	Peterborough	10 Hospital Dr.	8402	4	8	11	16	28	49	14.2	182	42.2	0
71068	Sault Ste. Marie	Patrick St., Wm. Merrifield School	8628	4	8	11	18	36	102	17.5	190	79.4	12

Notes:

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler

Table 14: Respirable Particles ($PM_{2.5}$) Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

$PM_{2.5}$ 24-hour proposed (CWS) uses Canada-Wide Standard: 30 $\mu g/m^3$

ID	City	Location	Valid h	PERCENTILES						Mean	Maximum		# of Times
				10%	30%	50%	70%	90%	99%		1 h	24 h	Above Criterion
12009	Windsor	Tecumseh Water Treatment Plant	8499	1	4	8	12	21	39	9.8	83	42	3
14064	Sarnia	Front St./CN Tracks, Centennial Park	7484	0	3	6	12	23	41	9.5	84	36	3
18007	Tiverton	Lot C/Concession 5, Visitor Info. Ctr.	5570	0	2	4	8	18	34	INS	56	30	0
22071	Simcoe	HWY 3/Blue Line Rd.	7949	1	3	6	10	18	31	8.0	49	28	0
26060	Kitchener	West Ave./Homewood	7881	0	2	5	9	17	31	6.9	50	33	1
27067	Niagara Region	Argyle Cres., Pump Stn.	8463	0	3	6	10	17	31	7.8	52	28	0
28028	Guelph	Exhibition/Clark St.	3682	1	3	7	11	22	37	INS	61	38	1
29000	Hamilton Downtown	Elgin/Kelly	8695	3	6	10	15	23	43	11.7	73	36	4
29114	Hamilton Mountain	Vickers Rd./East 18th St.	7295	0	3	6	11	20	34	8.5	80	28	0
31103	Toronto Downtown	Bay/Wellesley	6396	1	4	6	11	20	34	8.8	61	32	1
34020	Toronto North	Yonge St./Finch Ave.	8635	1	3	6	10	19	34	8.3	74	36	1
35033	Etobicoke	Evans/Arnold Ave.	8555	1	4	7	12	21	36	9.5	61	33	1
45025	Oshawa	Ritson Rd./Olive Ave., Ritson Rd. P.S.	8529	1	3	6	10	19	35	8.4	55	34	3
46089	Brampton	525 Main St. N., Peel Manor	4408	0	3	6	11	21	35	INS	55	36	1
46110	Mississauga	Queensway W./Hurontario St.	8717	1	4	7	11	19	34	8.8	57	31	2
49010	Haliburton	HWY 117/Paint Lake Rd.	8444	0	1	3	6	13	29	5.2	84	28	0
51001	Ottawa	Rideau/Wurtemburg St.	8651	0	3	5	8	14	27	6.3	50	31	1
71042	Sault Ste. Marie	Bonney St., Pumphouse	8597	0	3	6	13	28	63	11.1	170	55	22
75010	North Bay	Chippawa St., Dept. National Defense	6599	0	1	3	6	13	25	5.0	41	22	0

Notes:

- Measurements taken by Tapered Element Oscillating Microbalance (TEOM) sampler.

- $PM_{2.5}$ data has undergone final QA/QC since the publication of the 2000 Air Quality in Ontario report and the statistics contained in the above table reflect the final results.

Table 15: Mercury (Hg) Statistics (2000)

Unit: nanograms per cubic metre (ng/m^3)

Hg 1-hour AAQC is 5000 ng/m^3

ID	City	Location	Valid h	PERCENTILES						Mean	1h	24h	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%				
35003	Toronto West	Elmcrest Rd., Centennial Park	7322	1.62	1.88	2.05	2.27	2.90	5.61	2.26	50.43	8.98	0
46110	Mississauga	Queensway W./Hurontario St.	7771	1.35	1.65	1.85	2.07	2.72	5.22	2.03	27.68	11.36	0

Table 16: Total Suspended Particulate (TSP) Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

TSP 24-hour AAQC is 120 $\mu g/m^3$

TSP 1-year AAQC is 60 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%				24h	1y
11001	St. Marys	309 Thomas St.	53	16	28	45	66	104	155	184	55.9	44.9	3	0
12007	Windsor	Wright/Water St.	47	25	56	64	82	133	220	254	76.7	64.8	6	1
12008	Windsor Downtown	467 University Ave. W.	53	32	47	56	68	97	142	146	62.2	56.7	2	0
12011	Windsor	Drouillard Rd./Richmond St.	47	35	48	62	74	112	178	203	68.1	60.8	4	1
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	31	46	64	80	144	320	325	79.4	65.2	7	1
12016	Windsor West	College/South St.	53	35	57	67	87	125	209	226	77.9	69.1	6	1
12038	Windsor	2885 Howard Ave.	52	37	55	72	86	143	226	230	81.8	71.8	8	1
12058	Windsor	Columbus Ctr.	58	31	42	50	62	81	162	186	55.6	48.6	2	0
12061	Windsor	City Yard	53	28	45	54	66	93	136	138	58.8	52.5	2	0
14016	Courtright	HWY40 (opposite OPG)	48	24	37	46	61	85	101	106	51.8	47.0	0	0
14030	Corunna	R.R. 1 (W. of House)	43	23	32	39	54	80	175	215	49.7	42.1	2	0
15025	London	900 Highbury Ave.	50	14	27	34	43	61	80	85	36.7	31.9	0	0
17014	Beachville	Cyanamide Rd., Gordon Prop	40	28	39	55	67	103	151	170	59.8	52.5	2	0
17015	Beachville	26 Vine St., MOE Trailer	44	26	45	55	67	119	137	138	61.9	54.2	5	0
17020	Ingersoll	HWY 2/R.R. 2, J Spriel Prop	48	29	46	57	71	117	169	189	65.7	57.5	3	0
17021	Embro	Oxford City Rd. 6, Hesston Farm	51	30	50	68	103	135	148	150	79.0	68.7	12	1
17215	Beachville	26 Vine St., MOE Trailer	47	51	74	87	106	137	184	194	91.6	83.3	9	1
17315	Beachville	26 Vine St., MOE Trailer	42	24	44	57	61	107	124	126	59.8	52.9	2	0
22092	Nanticoke	Rainham Rd./Sandusk Rd.	56	19	29	37	46	73	145	202	43.5	37.2	1	0
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	52	20	29	36	45	61	100	119	40.0	36.6	0	0
22907	Nanticoke	Rainham Rd. (Near Stelco Gate)	56	32	37	53	72	98	138	145	59.3	52.8	3	0
22964	Nanticoke	N. 2 km Nanticoke OPG	58	14	24	34	45	56	77	81	35.8	32.1	0	0
27052	Thorold	185 Queen St. S.	57	38	44	58	71	88	125	135	61.5	57.8	1	0
27057	St. Catharines	27 Plymouth Ave.	59	31	38	50	63	90	130	131	56.7	51.1	3	0
27081	Thorold	Beaverdams/Collier	54	20	27	34	48	63	75	77	38.6	35.4	0	0
27082	Niagara Falls	7401 Portage Rd.	47	30	41	49	65	97	233	242	63.8	54.8	4	0
29000	Hamilton Downtown	Elgin/Kelly	60	28	37	52	65	97	128	130	56.2	50.6	2	0
29009	Hamilton	Kenilworth	61	27	40	51	59	82	111	123	52.9	48.8	1	0
29011	Hamilton	Burlington/Leeds	60	26	37	50	66	91	162	214	59.1	51.4	2	0
29012	Hamilton	Burlington/Wellington	55	25	36	46	59	86	105	106	49.7	44.8	0	0
29025	Hamilton	Barton/Sanford	58	33	46	57	72	98	145	155	63.4	58.6	2	0

Table 16: Total Suspended Particulate (TSP) Statistics (2000)

Unit: micrograms per cubic metre (µg/m³)
TSP 24-hour AAQC is 120 µg/m³
TSP 1-year AAQC is 60 µg/m³

ID	City	Location	# of Samples	PERCENTILES						Arith. Mean	Geom. Mean	# of Times Above Criteria	
				10%	30%	50%	70%	90%	99%	Max.			24h	1y
29002	Hamilton	309 Rhodes Blvd.	53	20	28	45	60	104	155	189	65.2	54.2	3	0
29113	Hamilton	Gertrude/Depew	53	42	59	88	124	179	294	348	103.3	87.8	17	1
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	19	30	40	52	75	92	93	44.7	39.7	0	0
29118	Hamilton West	Main St. W./HWY 403	59	25	30	42	49	75	96	105	45.2	41.1	0	0
29119	Hamilton	Morley St./Parkdale Ave.	55	42	53	61	79	119	158	159	71.7	66.1	6	1
29122	Hamilton	Dundurn/York	54	21	26	35	44	63	82	86	38.5	35.2	0	0
29143	Hamilton	Keefer Court, MOE Lab	59	41	56	66	74	108	151	168	71.4	66.7	3	1
31045	Toronto	51 Larchmount Ave., Bruce P.S.	113	23	33	45	55	75	97	131	46.8	42.1	1	0
31058	Toronto	Mosley/Leslie St. S.	29	32	45	60	76	91	107	109	INS	INS	0	0
31065	Toronto	633 Eastern Ave., A.R. Clarke Co.	105	26	41	50	62	81	124	130	53.8	48.4	2	0
31082	Toronto	138 Hamilton Ave., Works Dept.	115	36	46	60	74	102	131	155	64.0	58.5	4	0
44009	Burlington	3900 Mainway Blvd.	29	33	41	52	58	77	126	133	INS	INS	1	0
46047	Mississauga	2360 Dixie Rd.	56	38	48	60	75	90	142	149	65.2	60.6	2	1
46117	Mississauga	Apple Lane, Meadow Park	54	13	22	29	35	45	87	92	31.5	27.6	0	0
63046	Thunder Bay	Montreal St., Bombardier	24	17	20	32	54	68	106	116	INS	INS	0	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	22	36	55	91	160	256	267	76.4	57.6	9	0
72114	Hearst	George St./6th St.	44	23	49	84	126	215	398	415	110.7	79.1	15	1

Table 17: Lead (Pb) in TSP Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Pb 24-hour AAQC is 2.0 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
12007	Windsor	Wright/Water St.	48	0.01	0.01	0.01	0.02	0.03	0.03	0.03	0.01	0.01	0
12008	Windsor Downtown	467 University Ave. W.	53	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.02	0.02	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.02	0.01	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.01	0.01	0.01	0.02	0.03	0.08	0.12	0.02	0.02	0
12016	Windsor West	College/South St.	53	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.01	0.01	0
12038	Windsor	2885 Howard Ave.	52	0.01	0.01	0.01	0.02	0.05	0.12	0.13	0.02	0.02	0
12058	Windsor	Columbus Ctr.	54	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	0
12061	Windsor	City Yard	48	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01	0
14030	Corunna	R.R. 1 (W. of House)	43	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01	0
15025	London	900 Highbury Ave.	50	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01	0
27052	Thorold	185 Queen St. S.	57	0.01	0.01	0.01	0.01	0.03	0.04	0.04	0.01	0.01	0
27057	St. Catharines	27 Plymouth Ave.	59	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.01	0.01	0
27081	Thorold	Beaverdams/Collier St.	54	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.01	0.01	0
27082	Niagara Falls	7401 Portage Rd.	47	0.01	0.01	0.01	0.01	0.02	0.05	0.06	0.01	0.01	0
29011	Hamilton	Burlington/Leeds	60	0.01	0.01	0.01	0.02	0.05	0.10	0.15	0.02	0.02	0
29025	Hamilton	Barton/Sanford	58	0.01	0.01	0.01	0.02	0.03	0.06	0.07	0.02	0.02	0
29102	Hamilton	467 Beach Blvd.	57	0.01	0.01	0.01	0.02	0.05	0.07	0.08	0.02	0.02	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.01	0.01	0
31045	Toronto	51 Larchmount Ave., Bruce P.S.	113	0.01	0.01	0.01	0.02	0.04	0.08	0.39	0.02	0.02	0
31058	Toronto	Mosley/Leslie St.	29	0.01	0.03	0.04	0.06	0.10	0.14	0.15	INS	INS	0
31065	Toronto	633 Eastern Ave., A.R. Clarke Co.	105	0.01	0.01	0.03	0.04	0.10	0.50	5.70	0.10	0.03	1
31082	Toronto	138 Hamilton Ave., Works Dept.	117	0.01	0.01	0.01	0.02	0.03	0.08	0.28	0.02	0.01	0
44009	Burlington	3900 Mainway Blvd.	30	0.01	0.01	0.02	0.03	0.04	0.08	0.09	INS	INS	0
46047	Mississauga	Mississauga Rd. S./Port St.	56	0.21	0.31	0.70	1.46	3.52	12.58	16.00	1.70	0.83	14
46117	Mississauga	Apple Lane, Meadow Park	55	0.01	0.01	0.01	0.01	0.03	0.05	0.06	0.02	0.01	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.01	0.01	0.01	0.01	0.01	0.44	0.89	0.03	0.01	0

Table 18: Iron (Fe) in TSP Statistics (2000)

Unit: micrograms per cubic metre (µg/m^3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	48	0.4	1.0	1.7	2.3	3.6	4.3	4.3	1.81	1.38
12008	Windsor Downtown	467 University Ave. W.	53	0.4	0.6	0.8	1.4	1.9	3.1	3.2	1.08	0.87
12011	Windsor	Drouillard Rd./Richmond St.	47	0.6	0.8	1.1	1.7	2.7	5.3	6.2	1.53	1.21
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.3	0.8	1.5	2.2	4.8	10.6	13.0	2.22	1.34
12016	Windsor West	College/South St.	53	0.5	0.9	1.4	1.8	3.7	5.6	6.1	1.72	1.30
12038	Windsor	2885 Howard Ave.	52	1.3	2.2	4.7	7.4	14.0	21.0	22.0	6.15	4.10
12058	Windsor	Columbus Ctr.	54	0.3	0.6	0.9	1.1	1.6	3.0	4.0	0.94	0.79
12061	Windsor	City Yard	48	0.5	0.8	1.2	1.8	2.5	3.4	3.8	1.38	1.14
14016	Courtright	HWY 40 (opposite OPG)	48	0.1	0.2	0.4	0.5	0.8	2.1	2.6	0.47	0.35
14030	Corunna	R.R. 1 (W. of House)	43	0.1	0.2	0.3	0.5	1.0	2.1	2.6	0.47	0.32
15025	London	900 Highbury Ave.	50	0.1	0.2	0.3	0.4	0.6	0.9	1.0	0.32	0.26
27052	Thorold	185 Queen St. S.	57	0.4	0.6	0.8	0.9	1.4	2.2	2.5	0.84	0.74
27057	St. Catharines	27 Plymouth Ave.	59	0.4	0.6	1.0	1.7	3.2	6.5	9.9	1.51	1.05
27081	Thorold	Beaverdams/Collier St.	54	0.1	0.2	0.3	0.5	0.8	1.2	1.3	0.41	0.32
27082	Niagara Falls	7401 Portage Rd.	47	0.3	0.5	0.6	0.9	1.5	2.7	3.1	0.79	0.64
29011	Hamilton	Burlington/Leeds	60	0.9	1.5	2.1	3.5	6.0	9.5	11.0	2.85	2.21
29025	Hamilton	Barton/Sanford	58	0.6	0.9	1.2	2.8	4.9	7.2	7.3	2.14	1.48
29102	Hamilton	467 Beach Blvd.	57	0.3	0.9	2.0	3.1	4.5	7.1	7.2	2.37	1.57
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.1	0.3	0.5	1.0	1.6	4.4	4.7	0.83	0.51
44009	Burlington	3900 Mainway Blvd.	30	0.5	0.7	1.1	1.4	1.9	6.6	8.3	1.32	0.98
46117	Mississauga	Apple Lane, Meadow Park	55	0.1	0.2	0.3	0.4	0.6	0.9	1.0	0.32	0.26
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.8	1.8	2.9	5.2	10.3	42.3	56.0	5.92	3.06

Table 19: Manganese (Mn) in TSP Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Mn 24-hour AAQC is 2.5 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%				
12007	Windsor	Wright/Water St.	48	0.006	0.027	0.044	0.068	0.100	0.146	0.170	0.052	0.036	0
12008	Windsor Downtown	467 University Ave. W.	53	0.011	0.017	0.024	0.041	0.058	0.134	0.150	0.034	0.026	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.016	0.026	0.047	0.070	0.166	0.325	0.330	0.076	0.048	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.012	0.027	0.068	0.110	0.240	0.739	0.790	0.124	0.055	0
12016	Windsor West	College/South St.	53	0.011	0.026	0.047	0.058	0.100	0.174	0.190	0.053	0.038	0
12038	Windsor	2885 Howard Ave.	52	0.023	0.032	0.064	0.100	0.176	0.313	0.370	0.088	0.064	0
12058	Windsor	Columbus Ctr.	54	0.005	0.013	0.022	0.027	0.046	0.087	0.110	0.025	0.018	0
12061	Windsor	City Yard	48	0.013	0.020	0.035	0.044	0.072	0.106	0.120	0.038	0.030	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.003	0.007	0.010	0.018	0.049	0.052	0.009	0.006	0
14030	Corunna	R.R. 1 (W. of House)	43	0.002	0.005	0.008	0.015	0.044	0.057	0.058	0.015	0.009	0
15025	London	900 Highbury Ave.	50	0.002	0.006	0.010	0.013	0.018	0.042	0.043	0.012	0.008	0
27052	Thorold	185 Queen St. S.	57	0.016	0.026	0.033	0.045	0.067	0.117	0.140	0.039	0.033	0
27057	St. Catharines	27 Plymouth Ave.	59	0.014	0.038	0.056	0.120	0.190	0.396	0.520	0.091	0.059	0
27081	Thorold	Beaverdams/Collier St.	54	0.003	0.009	0.013	0.020	0.039	0.061	0.063	0.019	0.013	0
27082	Niagara Falls	7401 Portage Rd.	47	0.010	0.021	0.027	0.044	0.073	0.315	0.470	0.046	0.029	0
29011	Hamilton	Burlington/Leeds	60	0.061	0.100	0.140	0.200	0.350	0.654	0.690	0.185	0.148	0
29025	Hamilton	Barton/Sanford	58	0.039	0.073	0.091	0.206	0.394	1.910	2.200	0.232	0.126	0
29102	Hamilton	467 Beach Blvd.	57	0.017	0.074	0.130	0.179	0.283	0.339	0.350	0.137	0.089	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.003	0.013	0.020	0.049	0.110	0.361	0.590	0.050	0.023	0
44009	Burlington	3900 Mainway Blvd.	30	0.018	0.026	0.030	0.042	0.067	0.103	0.110	INS	INS	0
46117	Mississauga	Apple Lane, Meadow Park	55	0.001	0.006	0.012	0.016	0.028	0.038	0.040	0.013	0.009	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.037	0.110	0.160	0.294	0.544	1.049	1.200	0.248	0.153	0

Table 20: Nickel (Ni) in TSP Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Ni 24-hour AAQC is 2.0 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criteria
				10%	30%	50%	70%	90%	99%				
12007	Windsor	Wright/Water St.	48	0.001	0.001	0.001	0.001	0.004	0.011	0.013	0.002	0.001	0
12008	Windsor Downtown	467 University Ave. W.	53	0.001	0.001	0.001	0.001	0.001	0.008	0.012	0.001	0.001	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.001	0.001	0.001	0.001	0.002	0.025	0.027	0.002	0.001	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.001	0.001	0.001	0.001	0.006	0.010	0.011	0.002	0.002	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.001	0.001	0.003	0.009	0.012	0.002	0.001	0
12038	Windsor	2885 Howard Ave.	52	0.001	0.001	0.001	0.004	0.012	0.028	0.031	0.005	0.002	0
12058	Windsor	Columbus Ctr.	54	0.001	0.001	0.001	0.001	0.005	0.006	0.007	0.002	0.001	0
12061	Windsor	City Yard	48	0.001	0.001	0.001	0.001	0.001	0.011	0.016	0.001	0.001	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.001	0.001	0.002	0.015	0.041	0.042	0.006	0.002	0
14030	Corunna	R.R. 1 (W. of House)	43	0.001	0.001	0.001	0.001	0.004	0.014	0.017	0.002	0.001	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.001	0.001	0.007	0.008	0.008	0.002	0.001	0
27052	Thorold	185 Queen St. S.	57	0.001	0.001	0.001	0.001	0.005	0.015	0.018	0.002	0.001	0
27057	St. Catharines	27 Plymouth Ave.	59	0.001	0.001	0.001	0.001	0.003	0.008	0.011	0.002	0.001	0
27081	Thorold	Beaverdams/Collier St.	54	0.001	0.001	0.001	0.001	0.002	0.006	0.008	0.001	0.001	0
27082	Niagara Falls	7401 Portage Rd.	47	0.001	0.001	0.001	0.001	0.005	0.008	0.009	0.002	0.001	0
29011	Hamilton	Burlington/Leeds	60	0.001	0.001	0.001	0.002	0.006	0.009	0.010	0.002	0.002	0
29025	Hamilton	Barton/Sanford	58	0.001	0.001	0.001	0.001	0.005	0.012	0.013	0.002	0.001	0
29102	Hamilton	467 Beach Blvd	57	0.001	0.001	0.001	0.001	0.003	0.007	0.007	0.002	0.001	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.001	0.001	0.001	0.001	0.001	0.007	0.008	0.001	0.001	0
44009	Burlington	3900 Mainway Blvd.	30	0.001	0.001	0.001	0.001	0.006	0.009	0.009	INS	INS	0
46117	Mississauga	Apple Lane, Meadow Park	55	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.001	0.001	0.001	0.001	0.002	0.012	0.013	0.002	0.001	0

Table 21: Chromium (Cr) in TSP Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Cr 24-hour AAQC is 1.5 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.			
12007	Windsor	Wright/Water St.	48	0.001	0.002	0.006	0.009	0.013	0.019	0.019	0.007	0.004	0
12008	Windsor Downtown	467 University Ave. W.	53	0.001	0.001	0.003	0.005	0.008	0.012	0.013	0.004	0.003	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.001	0.002	0.003	0.007	0.012	0.038	0.045	0.006	0.004	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.001	0.001	0.006	0.012	0.023	0.059	0.069	0.011	0.005	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.003	0.006	0.014	0.019	0.020	0.005	0.003	0
12038	Windsor	2885 Howard Ave.	52	0.002	0.009	0.018	0.035	0.057	0.097	0.098	0.026	0.014	0
12058	Windsor	Columbus Ctr.	54	0.001	0.001	0.001	0.003	0.005	0.010	0.010	0.003	0.002	0
12061	Windsor	City Yard	48	0.001	0.003	0.006	0.008	0.012	0.023	0.026	0.006	0.005	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.001	0.001	0.002	0.004	0.009	0.009	0.002	0.001	0
14030	Corunna	R.R. 1 (W. of House)	43	0.001	0.001	0.001	0.002	0.006	0.013	0.014	0.003	0.002	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.001	0.001	0.003	0.007	0.007	0.002	0.001	0
27052	Thorold	185 Queen St. S.	57	0.008	0.015	0.021	0.026	0.049	0.061	0.062	0.024	0.018	0
27057	St. Catharines	27 Plymouth Ave.	59	0.001	0.003	0.007	0.011	0.022	0.126	0.250	0.013	0.006	0
27081	Thorold	Beaverdams/Collier St.	54	0.001	0.001	0.001	0.003	0.009	0.018	0.020	0.004	0.002	0
27082	Niagara Falls	7401 Portage Rd.	47	0.006	0.019	0.044	0.096	0.243	0.417	0.450	0.088	0.039	0
29011	Hamilton	Burlington/Leeds	60	0.007	0.014	0.019	0.028	0.045	0.150	0.230	0.027	0.019	0
29025	Hamilton	Barton/Sanford	58	0.001	0.004	0.008	0.024	0.058	0.187	0.210	0.024	0.009	0
29102	Hamilton	467 Beach Blvd.	57	0.001	0.004	0.011	0.019	0.033	0.043	0.047	0.014	0.008	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.001	0.001	0.002	0.006	0.016	0.040	0.041	0.007	0.003	0
44009	Burlington	3900 Mainway Blvd.	30	0.003	0.006	0.011	0.016	0.025	0.066	0.074	INS	INS	0
46117	Mississauga	Apple Lane, Meadow Park	55	0.001	0.001	0.001	0.003	0.008	0.024	0.025	0.004	0.002	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.001	0.002	0.011	0.018	0.045	0.132	0.180	0.020	0.008	0

Table 22: Vanadium (V) in TSP Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

V 24-hour AAQC is 2.0 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%				
12007	Windsor	Wright/Water St.	48	0.001	0.001	0.001	0.004	0.014	0.019	0.020	0.004	0.002	0
12008	Windsor Downtown	467 University Ave. W.	53	0.001	0.001	0.001	0.003	0.010	0.020	0.024	0.004	0.002	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.001	0.001	0.001	0.004	0.012	0.021	0.022	0.004	0.002	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.001	0.001	0.001	0.008	0.018	0.033	0.037	0.006	0.003	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.001	0.001	0.011	0.023	0.025	0.004	0.002	0
12038	Windsor	2885 Howard Ave.	52	0.001	0.001	0.005	0.014	0.032	0.045	0.047	0.011	0.005	0
12058	Windsor	Columbus Ctr.	54	0.001	0.001	0.001	0.001	0.006	0.012	0.014	0.002	0.001	0
12061	Windsor	City Yard	48	0.001	0.001	0.001	0.005	0.013	0.020	0.021	0.005	0.002	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.001	0.001	0.008	0.038	0.094	0.100	0.013	0.004	0
14030	Corunna	R.R. 1 (W. of House)	43	0.001	0.001	0.001	0.001	0.001	0.028	0.033	0.003	0.001	0
15025	London	900 Highbury Ave.	50	0.001	0.001	0.001	0.001	0.001	0.006	0.007	0.001	0.001	0
27052	Thorold	185 Queen St. S.	57	0.001	0.001	0.001	0.005	0.009	0.015	0.016	0.004	0.002	0
27057	St. Catharines	27 Plymouth Ave.	59	0.001	0.001	0.001	0.002	0.008	0.018	0.019	0.003	0.002	0
27081	Thorold	Beaverdams/Collier	54	0.001	0.001	0.001	0.001	0.004	0.007	0.008	0.002	0.001	0
27082	Niagara Falls	7401 Portage Rd.	47	0.001	0.001	0.001	0.001	0.007	0.015	0.017	0.003	0.002	0
29011	Hamilton	Burlington/Leeds	60	0.001	0.001	0.004	0.007	0.015	0.026	0.031	0.006	0.003	0
29025	Hamilton	Barton/Sanford	58	0.001	0.001	0.001	0.003	0.010	0.025	0.030	0.004	0.002	0
29102	Hamilton	467 Beach Blvd.	57	0.001	0.001	0.001	0.001	0.008	0.024	0.033	0.003	0.002	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.001	0.001	0.001	0.001	0.005	0.014	0.015	0.002	0.001	0
44009	Burlington	3900 Mainway Blvd.	30	0.001	0.001	0.001	0.002	0.008	0.017	0.019	INS	INS	0
46117	Mississauga	Apple Lane, Meadow Park	55	0.001	0.001	0.001	0.001	0.004	0.024	0.025	0.003	0.001	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.001	0.001	0.002	0.010	0.028	0.082	0.110	0.011	0.004	0

Table 23: Copper (Cu) in TSP Statistics (2000)

Unit: micrograms per cubic metre (µg/m^3)

Cu 24-hour AAQC is 50 µg/m^3

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean	# of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max			
12007	Windsor	Wright/Water St.	48	0.002	0.018	0.031	0.069	0.122	0.298	0.360	0.059	0.030	0
12008	Windsor Downtown	467 University Ave. W.	53	0.001	0.003	0.009	0.016	0.022	0.032	0.032	0.011	0.006	0
12011	Windsor	Drouillard Rd./Richmond St.	47	0.001	0.001	0.003	0.008	0.016	0.055	0.078	0.008	0.004	0
12013	Windsor	3665 Wyandotte St. E., Filtration Plant	51	0.001	0.001	0.009	0.019	0.047	0.170	0.260	0.020	0.006	0
12016	Windsor West	College/South St.	53	0.001	0.001	0.017	0.028	0.041	0.092	0.100	0.021	0.009	0
12038	Windsor	2885 Howard Ave.	52	0.010	0.022	0.035	0.047	0.065	0.100	0.120	0.038	0.029	0
12058	Windsor	Columbus Ctr.	54	0.002	0.033	0.065	0.116	0.180	0.225	0.230	0.082	0.044	0
12061	Windsor	City Yard	48	0.001	0.001	0.003	0.009	0.018	0.029	0.032	0.007	0.003	0
14016	Courtright	HWY 40 (opposite OPG)	48	0.001	0.022	0.041	0.062	0.085	0.266	0.300	0.052	0.027	0
14030	Corunna	R.R. 1 (W. of House)	43	0.003	0.013	0.026	0.041	0.060	0.088	0.100	0.031	0.020	0
15025	London	900 Highbury Ave.	50	0.027	0.260	0.460	1.100	1.600	2.000	2.000	0.743	0.404	0
27052	Thorold	185 Queen St. S.	57	0.036	0.079	0.103	0.140	0.213	0.284	0.290	0.120	0.084	0
27057	St. Catharines	27 Plymouth Ave.	59	0.022	0.053	0.087	0.133	0.170	0.214	0.220	0.098	0.075	0
27081	Thorold	Beaverdams/Collier St.	54	0.001	0.023	0.047	0.065	0.105	0.201	0.260	0.054	0.030	0
27082	Niagara Falls	7401 Portage Rd.	47	0.021	0.052	0.079	0.110	0.160	0.235	0.240	0.090	0.061	0
29011	Hamilton	Burlington/Leeds	60	0.001	0.016	0.024	0.039	0.058	0.087	0.095	0.030	0.018	0
29025	Hamilton	Barton/Sanford	58	0.032	0.096	0.130	0.180	0.270	0.353	0.440	0.147	0.113	0
29102	Hamilton	467 Beach Blvd.	57	0.001	0.008	0.023	0.043	0.063	0.087	0.088	0.029	0.013	0
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	0.004	0.013	0.020	0.026	0.051	0.091	0.110	0.025	0.018	0
44009	Burlington	3900 Mainway Blvd.	30	0.006	0.017	0.032	0.044	0.066	0.091	0.098	INS	INS	0
46117	Mississauga	Apple Lane, Meadow Park	55	0.068	0.120	0.150	0.170	0.190	0.220	0.220	0.141	0.131	0
71042	Sault Ste. Marie	Bonney St., Pumphouse	58	0.001	0.013	0.028	0.039	0.072	0.108	0.120	0.033	0.019	0

Table 24: Nitrate (NO_3^-) in TSP Statistics (2000)

Unit: micrograms per cubic metre (µg/m3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	48	1.60	2.90	4.90	6.60	9.60	13.00	13.10	5.30	4.30
12008	Windsor Downtown	467 University Ave. W.	53	2.20	4.00	5.60	6.90	8.70	13.80	14.50	5.80	5.00
12016	Windsor West	College/South St.	53	2.10	4.10	5.70	6.90	9.90	13.40	16.50	5.90	5.10
12038	Windsor	2885 Howard Ave.	52	1.60	3.20	5.20	6.30	9.30	14.40	14.60	5.40	4.40
12058	Windsor	Columbus Ctr.	54	1.90	3.30	4.70	6.50	9.20	14.10	14.50	5.40	4.60
14016	Courtright	HWY 40 (opposite OPG)	48	1.70	3.90	5.40	7.60	11.60	15.30	16.20	6.20	5.10
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	54	1.80	3.40	4.60	7.40	10.70	16.20	18.80	5.90	4.70
29011	Hamilton	Burlington/Leeds	60	1.00	1.70	2.70	3.60	6.20	9.20	11.10	3.20	2.60
29025	Hamilton	Barton/Sanford	58	1.60	3.20	4.70	6.00	7.50	12.40	13.80	4.90	4.20
29102	Hamilton	467 Beach Blvd.	57	1.00	2.10	3.50	5.40	7.30	10.30	11.40	4.00	3.10
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	1.50	2.30	4.20	5.70	9.80	13.90	15.10	4.90	4.00

Table 25: Sulphate (So_4^{2-}) in TSP Statistics (2000)

Unit: micrograms per cubic metre (µg/m3)

ID	City	Location	# of Samples	PERCENTILES 10%	30%	50%	70%	90%	99%	Max.	Arith. Mean	Geom. Mean
12007	Windsor	Wright/Water St.	48	11.30	14.70	16.80	18.30	22.40	36.90	37.70	17.30	16.50
12008	Windsor Downtown	467 University Ave. W.	53	10.20	14.00	16.00	17.30	23.50	29.10	30.00	16.40	15.50
21016	Windsor West	College/South St.	53	9.90	15.20	16.30	19.60	24.10	30.00	30.20	17.20	16.20
12038	Windsor	2885 Howard Ave.	52	9.90	13.30	15.10	16.70	21.20	23.20	23.80	15.40	14.60
12058	Windsor	Columbus Ctr.	54	9.50	13.40	14.80	16.40	20.60	26.10	30.10	15.20	14.60
14016	Courtright	HWY 40 (opposite OPG)	48	9.40	13.60	16.20	17.60	22.90	28.00	28.40	16.30	15.50
22904	Nanticoke	Sandusk Rd., Walpole South P.S.	54	7.30	10.70	15.30	17.00	23.20	35.70	42.70	15.20	13.60
29011	Hamilton	Burlington/Leeds	60	5.40	9.90	13.60	17.00	19.40	23.10	23.50	13.20	11.90
29025	Hamilton	Barton/Sanford	58	8.40	11.70	14.60	18.10	21.30	26.80	29.20	15.00	14.00
29102	Hamilton	467 Beach Blvd.	57	6.40	12.60	15.10	18.20	22.30	26.40	28.30	15.20	13.60
29114	Hamilton Mountain	Vickers Rd./East 18th St.	52	8.30	10.50	12.60	16.10	18.60	23.30	23.60	13.50	12.70

Table 26: Inhalable Particles (PM_{10}) 24-Hour Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

PM_{10} 24-hour Interim AAQC is 50 $\mu g/m^3$

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean	% of Times Above Criterion
				10%	30%	50%	70%	90%	99%	Max.			
12507	Windsor	Wright/Water St.	57	14.0	19.0	25.0	32.0	48.0	98.0	146.0	29.5	25.4	8.8
12508	Windsor Downtown	467 University Ave. W.	55	13.0	20.0	28.0	34.0	50.0	69.0	82.0	29.5	26.2	10.9
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	49	13.0	19.0	25.0	36.0	52.0	88.0	91.0	31.1	26.5	12.2
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	56	11.0	15.0	19.0	24.0	37.0	50.0	57.0	21.7	19.3	1.8
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	46	10.0	15.0	20.0	29.0	40.0	54.0	60.0	23.4	20.3	2.2
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	9.0	16.0	21.0	26.0	35.0	61.0	71.0	23.0	20.3	3.7
14550	Sarnia	6th Line, Moore Township	55	7.0	11.0	15.0	22.0	31.0	39.0	41.0	17.8	15.1	0.0
14564	Sarnia	Front St./CN Tracks, Centenial Park	58	10.0	13.0	16.0	25.0	34.0	40.0	41.0	19.9	17.7	0.0
15525	London	900 Highbury Ave. E.	51	7.0	12.0	15.0	19.0	28.0	41.0	44.0	16.7	14.9	0.0
17550	Beachville	Earl Lantz Property	46	11.0	20.0	26.0	35.0	48.0	80.0	93.0	29.3	25.4	6.5
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	57	6.0	10.0	12.0	19.0	26.0	43.0	48.0	15.5	13.3	0.0
27308	St. Catharines	71 King St.	59	12.0	18.0	21.0	25.0	38.0	48.0	49.0	22.9	21.0	0.0
27352	Thorold	185 Queen St. S.	53	12.0	17.0	22.0	24.0	36.0	43.0	45.0	22.4	20.6	0.0
29300	Hamilton Downtown	Elgin/Kelly St.	58	13.0	16.0	23.0	28.0	42.0	67.0	71.0	25.3	22.5	5.2
29302	Hamilton	467 Beach Blvd.	58	10.0	17.0	22.0	29.0	38.0	73.0	76.0	25.2	21.7	5.2
29313	Hamilton	Gertrude/Depew St.	54	16.0	23.0	28.0	52.0	72.0	91.0	97.0	38.7	32.8	31.5
29314	Hamilton Mountain	Vickers Rd./East 18th St.	53	10.0	15.0	18.0	24.0	33.0	48.0	57.0	20.6	18.7	1.9
35127	Etobicoke	Evans/Arnold Cres.	59	12.0	16.0	22.0	27.0	44.0	62.0	80.0	25.0	21.3	1.7
44127	Oakville	Bronte Rd./Woburn Cres.	54	11.0	16.0	18.0	22.0	32.0	74.0	99.0	21.5	19.1	3.7
46127	Mississauga	Apple Lane, Meadow Park	58	10.0	12.0	14.0	19.0	27.0	37.0	40.0	16.7	15.3	0.0
62201	Fort Frances	Armit Ave./4th St.	49	6.0	10.0	14.0	18.0	29.0	44.0	44.0	15.9	13.4	0.0
63201	Thunder Bay	James/Walsh St.	61	6.0	11.0	14.0	18.0	23.0	34.0	35.0	14.9	13.2	0.0
71342	Sault Ste. Marie	Bonney St., Pumphouse	60	7.0	15.0	22.0	38.0	63.0	129.0	138.0	32.5	22.9	21.7
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	61	6.0	9.0	14.0	19.0	29.0	65.0	73.0	16.9	13.6	3.3
77326	Sudbury	19 Lisgar St.	49	7.0	12.0	15.0	16.0	26.0	63.0	76.0	16.6	12.6	2.0
77570	Copper Cliff	Market St.	59	7.0	10.0	12.0	15.0	23.0	42.0	59.0	14.4	12.9	1.7

Table 27: Copper (Cu) in PM_{10} Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.		
12507	Windsor	Wright/Water St.	57	0.005	0.005	0.005	0.010	0.015	0.060	0.080	0.010	0.008
12508	Windsor Downtown	467 University Ave. W.	55	0.005	0.005	0.005	0.015	0.023	0.037	0.040	0.011	0.009
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	49	0.005	0.005	0.005	0.007	0.015	0.030	0.030	0.008	0.007
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	56	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006
12559	Windsor	5305 Adstol Ave., St. Alexander S.S	46	0.005	0.005	0.005	0.005	0.010	0.013	0.015	0.006	0.006
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.005	0.005	0.005	0.005	0.013	0.020	0.020	0.007	0.006
14550	Sarnia	6th Line, Moore Township	55	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
14564	Sarnia	Front St./CN Tracks, Centenial Park	58	0.005	0.005	0.005	0.005	0.010	0.015	0.015	0.006	0.006
15525	London	900 Highbury Ave.	54	0.005	0.005	0.005	0.005	0.013	0.022	0.025	0.007	0.006
17550	Beachville	Earl Lantz Property	46	0.005	0.005	0.005	0.005	0.005	0.013	0.015	0.005	0.005
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	57	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
27308	St. Catharines	71 King St.	60	0.005	0.005	0.005	0.005	0.010	0.038	0.050	0.008	0.007
27352	Thorold	185 Queen St. S.	53	0.005	0.005	0.010	0.015	0.025	0.049	0.065	0.013	0.010
29300	Hamilton Downtown	Elgin/Kelly St.	58	0.005	0.005	0.010	0.015	0.030	0.044	0.050	0.012	0.010
29302	Hamilton	467 Beach Blvd.	58	0.005	0.005	0.005	0.010	0.016	0.043	0.055	0.010	0.008
29313	Hamilton	Gertrude/Depew St.	54	0.005	0.006	0.010	0.048	0.120	0.219	0.230	0.041	0.019
29314	Hamilton Mountain	Vickers Rd./East 18th St.	53	0.005	0.005	0.005	0.010	0.019	0.037	0.040	0.009	0.007
35127	Etobicoke	Evans Ave./Arnold Cres.	58	0.005	0.007	0.030	0.050	0.108	0.225	0.260	0.045	0.023
44127	Oakville	Bronte Rd./Woburn Cres.	58	0.005	0.005	0.015	0.035	0.055	0.062	0.065	0.023	0.015
46127	Mississauga	Apple Lane, Meadow Park	50	0.005	0.005	0.005	0.005	0.010	0.013	0.015	0.006	0.006
62201	Fort Francis	Armit Ave./4th St.	50	0.005	0.005	0.005	0.005	0.010	0.013	0.015	0.006	0.006
63201	Thunder Bay	615 James St. S./Walsh St.	61	0.005	0.005	0.005	0.005	0.010	0.024	0.030	0.007	0.006
71342	Sault Ste. Marie	Bonney St., Pumphouse	61	0.005	0.005	0.005	0.005	0.010	0.017	0.020	0.007	0.006
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	61	0.005	0.005	0.005	0.005	0.020	0.046	0.055	0.009	0.007
77326	Sudbury	19 Lisgar St.	45	0.005	0.005	0.010	0.070	0.230	0.447	0.550	0.077	0.024
77570	Copper Cliff	Market St.	59	0.010	0.035	0.070	0.226	0.747	1.828	2.300	0.259	0.087

Table 28: Iron (Fe) in PM_{10} Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES						Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.	
12507	Windsor	Wright/Water St.	57	0.19	0.38	0.79	1.10	1.53	2.20	2.60	0.82	0.61
12508	Windsor Downtown	467 University Ave. W.	55	0.18	0.33	0.54	0.91	1.25	1.84	2.00	0.68	0.52
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	49	0.14	0.33	0.73	1.23	1.85	4.21	4.60	1.05	0.63
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	56	0.12	0.20	0.28	0.42	0.60	1.09	1.50	0.34	0.28
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	46	0.06	0.22	0.32	0.56	0.87	1.40	1.40	0.45	0.30
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.10	0.16	0.20	0.34	0.65	1.20	1.20	0.31	0.23
14550	Sarnia	6th Line, Moore Township	55	0.04	0.08	0.12	0.20	0.32	0.53	0.56	0.16	0.12
14564	Sarnia	Front St./CN Tracks, Centenial Park	58	0.04	0.10	0.14	0.27	0.38	1.04	1.20	0.22	0.16
15525	London	900 Highbury Ave.	54	0.06	0.12	0.16	0.26	0.36	0.65	0.82	0.21	0.17
17550	Beachville	Earl Lantz Property	46	0.04	0.14	0.18	0.28	0.44	0.71	0.76	0.23	0.17
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	57	0.03	0.08	0.13	0.22	0.44	0.85	1.00	0.20	0.13
27308	St. Catharines	71 King St.	60	0.06	0.16	0.22	0.26	0.44	0.81	0.82	0.25	0.19
27352	Thorold	185 Queen St. S.	53	0.16	0.22	0.31	0.40	0.72	1.19	1.30	0.39	0.32
29300	Hamilton Downtown	Elgin/Kelly St.	58	0.22	0.29	0.52	1.00	2.22	3.58	3.70	0.88	0.57
29302	Hamilton	467 Beach Blvd.	58	0.07	0.31	0.78	1.60	2.72	5.14	5.20	1.21	0.58
29313	Hamilton	Gertrude/Depew St.	54	0.46	0.79	1.40	4.40	9.68	15.38	17.00	3.57	1.86
29314	Hamilton Mountain	Vickers Rd./East 18th St.	53	0.09	0.18	0.26	0.46	1.10	2.32	2.90	0.48	0.30
35127	Etobicoke	Evans Ave./Arnold Cres.	58	0.16	0.29	0.38	0.60	0.85	1.28	1.40	0.47	0.37
44127	Oakville	Bronte Rd./Woburn Cres.	54	0.09	0.21	0.34	0.44	0.84	2.34	3.10	0.48	0.33
46127	Mississauga	Apple Lane, Meadow Park	58	0.04	0.10	0.14	0.21	0.32	0.57	0.74	0.18	0.13
62201	Fort Francis	Armit Ave./4th St.	50	0.02	0.14	0.26	0.38	0.52	1.24	1.50	0.31	0.19
63201	Thunder Bay	James/Walsh St.	61	0.08	0.23	0.41	0.66	1.09	1.94	2.00	0.53	0.33
71342	Sault Ste. Marie	Bonney St., Pumphouse	61	0.20	0.47	1.40	2.70	7.21	24.73	29.00	3.34	1.29
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	61	0.06	0.14	0.24	0.50	1.68	4.35	4.90	0.60	0.29
77326	Sudbury	19 Lisgar St.	45	0.08	0.16	0.28	0.37	0.71	0.94	0.98	0.34	0.25
77570	Copper Cliff	Market St.	59	0.12	0.20	0.29	0.47	1.01	3.74	5.80	0.53	0.32

Table 29: Manganese (Mn) in PM_{10} Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES							Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%	Max.		
12507	Windsor	Wright/Water St.	57	0.007	0.014	0.020	0.030	0.045	0.079	0.080	0.025	0.020
12508	Windsor Downtown	467 University Ave. W.	55	0.007	0.012	0.016	0.030	0.042	0.076	0.096	0.023	0.018
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	49	0.004	0.016	0.044	0.076	0.150	0.397	0.470	0.071	0.033
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	56	0.004	0.008	0.010	0.014	0.024	0.038	0.050	0.013	0.010
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	46	0.002	0.008	0.012	0.020	0.030	0.052	0.054	0.016	0.011
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	0.002	0.004	0.008	0.012	0.021	0.050	0.054	0.011	0.007
14550	Sarnia	6th Line, Moore Township	55	0.002	0.002	0.004	0.007	0.011	0.016	0.016	0.006	0.004
14564	Sarnia	Front St./CN Tracks, Centenial Park	58	0.002	0.004	0.006	0.010	0.014	0.028	0.034	0.008	0.006
15525	London	900 Highbury Ave.	54	0.003	0.006	0.008	0.010	0.020	0.040	0.040	0.010	0.008
17550	Beachville	Earl Lantz Property	46	0.002	0.004	0.006	0.012	0.024	0.030	0.030	0.010	0.007
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	57	0.002	0.004	0.006	0.008	0.016	0.039	0.050	0.009	0.006
27308	St. Catharines	71 King St.	60	0.002	0.006	0.010	0.014	0.024	0.046	0.054	0.013	0.009
27352	Thorold	185 Queen St. S.	53	0.006	0.010	0.018	0.026	0.047	0.080	0.100	0.023	0.017
29300	Hamilton Downtown	Elgin/Kelly St.	58	0.012	0.019	0.028	0.063	0.134	0.283	0.370	0.056	0.034
29302	Hamilton	467 Beach Blvd.	58	0.002	0.018	0.044	0.079	0.150	0.253	0.270	0.064	0.032
29313	Hamilton	Gertrude/Depew St.	54	0.026	0.050	0.080	0.268	0.432	0.830	0.900	0.184	0.102
29314	Hamilton Mountain	Vickers Rd./East 18th St.	53	0.006	0.010	0.015	0.026	0.057	0.148	0.180	0.026	0.017
35127	Etobicoke	Evans/Arnold Cres.	58	0.008	0.014	0.022	0.029	0.040	0.061	0.064	0.024	0.020
44127	Oakville	Bronte Rd./Woburn Cres.	54	0.004	0.012	0.016	0.026	0.047	0.098	0.110	0.023	0.015
46127	Mississauga	Apple Lane, Meadow Park	58	0.002	0.006	0.008	0.012	0.018	0.031	0.032	0.010	0.008
62201	Fort Francis	Armit Ave./4th St.	50	0.002	0.002	0.006	0.010	0.030	0.235	0.310	0.018	0.006
63201	Thunder Bay	James/Walsh St.	61	0.002	0.009	0.015	0.020	0.030	0.048	0.052	0.016	0.012
71342	Sault Ste. Marie	Bonney St., Pumphouse	61	0.014	0.028	0.059	0.157	0.372	0.849	0.940	0.137	0.066
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	61	0.004	0.008	0.012	0.034	0.099	0.220	0.220	0.040	0.018
77326	Sudbury	19 Lisgar St.	45	0.002	0.007	0.009	0.012	0.014	0.026	0.030	0.010	0.008
77570	Copper Cliff	Market St.	59	0.002	0.004	0.006	0.008	0.014	0.072	0.110	0.009	0.006

Table 30: Sulphate (SO_4^{2-}) in PM_{10} Statistics (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

ID	City	Location	# of Samples	PERCENTILES						Max.	Arith. Mean	Geom. Mean
				10%	30%	50%	70%	90%	99%			
12507	Windsor	Wright/Water St.	57	1.8	2.6	3.6	4.6	9.4	15.8	17.9	4.6	3.8
12508	Windsor Downtown	467 University Ave. W.	55	1.3	2.9	3.3	5.2	10.3	14.2	15.0	4.6	3.7
12513	Windsor	3665 Wyandotte St. E., Filtration Plant	49	1.3	2.4	2.9	4.3	6.6	13.8	14.7	4.0	3.1
12556	Windsor	1400 Roselawn Dr., St. Gabriel S.S.	56	1.6	2.6	3.2	4.7	9.5	14.6	17.2	4.4	3.5
12559	Windsor	5305 Adstol Ave., St. Alexander S.S.	46	1.0	2.0	2.5	3.8	8.2	14.8	17.3	3.7	2.7
12583	Windsor	13765 St. Gregory's Rd., St. Gregory's S.S.	54	1.7	2.8	3.8	5.0	7.5	12.3	13.4	4.4	3.7
14550	Sarnia	6th Line, Moore Township	55	1.3	2.4	3.1	5.0	9.7	12.5	12.7	4.4	3.5
14564	Sarnia	Front St./CN Tracks, Centenial Park	58	1.1	2.3	3.1	5.2	10.0	12.5	12.9	4.3	3.2
15525	London	900 Highbury Ave.	54	0.7	1.6	2.2	3.5	6.6	11.1	11.2	3.2	2.3
17550	Beachville	Earl Lantz Property	46	1.2	2.2	3.3	5.3	8.8	12.1	12.7	4.3	3.4
22304	Nanticoke	Sandusk Rd., Walpole South P.S.	57	1.2	1.7	2.5	4.4	6.2	13.4	14.5	3.5	2.8
27308	St. Catharines	71 King St.	60	1.2	2.1	3.0	3.8	6.3	12.1	12.9	3.6	2.9
27352	Thorold	185 Queen St. S.	53	1.0	1.8	2.8	3.7	5.7	11.6	12.3	3.2	2.5
29300	Hamilton Downtown	Elgin/Kelly St.	58	1.2	2.2	3.2	4.4	7.1	11.6	12.5	3.9	3.1
29302	Hamilton	467 Beach Blvd.	58	1.2	2.4	2.9	4.4	6.5	11.8	14.2	3.7	3.1
29313	Hamilton	Gertrude/Depew St.	54	1.6	2.6	3.5	4.2	7.3	10.9	11.8	4.1	3.5
29314	Hamilton Mountain	Vickers Rd./East 18th St.	53	1.1	2.0	2.5	3.9	6.3	10.2	10.4	3.5	2.8
35127	Etobicoke	Evans Ave./Arnold Cres.	58	1.0	1.7	2.7	3.6	6.2	12.4	15.8	3.3	2.5
44127	Oakville	Bronte Rd./Woburn Cres.	54	1.0	1.9	2.5	3.3	5.6	8.3	9.3	3.0	2.6
46127	Mississauga	Apple Lane, Meadow Park	58	1.0	1.6	2.4	3.4	5.7	9.8	10.0	3.1	2.5
62201	Fort Francis	Armit Ave./4th St.	50	0.4	0.9	1.2	1.9	2.7	8.5	13.2	1.7	1.2
63201	Thunder Bay	James/Walsh St.	61	0.4	0.8	1.0	1.8	3.1	4.7	5.1	1.5	1.1
71342	Sault Ste. Marie	Bonney St., Pumphouse	61	0.7	1.3	2.3	3.7	7.5	10.2	11.7	3.2	2.2
71368	Sault Ste. Marie	Patrick St., Wm. Merrifield P.S.	61	0.5	1.1	1.5	2.4	4.4	8.1	10.8	2.1	1.5
77326	Sudbury	19 Lisgar St.	45	0.5	1.4	1.7	2.2	3.6	25.3	39.7	2.8	1.6
77570	Copper Cliff	Market St.	59	0.7	1.0	1.7	2.2	4.4	8.5	8.9	2.2	1.7

Table 31: 10-Year Trend for SO_2

Annual Mean (ppb)

SO_2 annual AAQC = 20 ppb

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Burlington	3.0	6.0	6.0	4.0	2.0	4.0	5.1	3.2	4.9	5.2
Cornwall	5.0	5.0	7.0	12.0	5.0	5.0	3.9	5.5	3.9	3.5
Hamilton Downtown	7.0	7.0	6.0	5.0	8.0	9.0	5.8	6.3	6.6	5.1
Kitchener	3.0	3.0	3.0	3.0	2.0	3.0	3.1	3.0	3.4	3.2
London #	5.0	4.0	3.0	4.0	2.0	3.0	2.5	3.2	4.9	3.5
Long Point	4.0	5.0	2.0	3.0	2.0	3.0	2.7	3.0	3.7	3.7
Mississauga	5.0	6.0	3.0	3.0	2.0	n/a	n/a	5.1	4.7	4.6
Niagara Region	5.0	5.0	3.0	3.0	5.0	6.0	5.8	4.0	2.2	3.0
Oakville	5.0	4.0	5.0	4.0	2.0	5.0	4.8	5.1	4.0	4.8
Oshawa	4.0	4.0	3.0	2.0	2.0	5.0	4.6	4.8	5.1	n/a
Ottawa	3.0	2.0	2.0	1.0	1.0	5.0	6.3	3.4	4.2	4.1
Sarnia	9.0	9.0	10.0	9.0	6.0	7.0	8.5	10.3	11.8	10.4
Simcoe	3.0	3.0	3.0	2.0	2.0	3.0	3.2	3.8	3.7	4.3
Sudbury	5.0	4.0	4.0	3.0	4.0	5.0	3.5	5.2	3.0	4.2
Thunder Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.3
Tiverton	1.0	1.0	1.0	2.0	1.0	2.0	2.0	2.7	n/a	n/a
Toronto Downtown	5.0	8.0	7.0	3.0	3.0	5.0	5.3	4.0	n/a	4.7
Toronto East	4.0	3.0	3.0	3.0	4.0	6.0	5.2	4.2	4.9	n/a
Toronto North ^	2.0	3.0	4.0	3.0	2.0	5.0	4.4	4.2	5.0	n/a
Toronto West	6.0	8.0	5.0	4.0	3.0	4.0	4.9	4.1	n/a	3.6
Windsor Downtown	7.0	6.0	6.0	6.0	5.0	10.0	6.7	7.4	6.7	6.2
York Region	4.0	3.0	3.0	4.0	3.0	3.0	3.3	n/a	n/a	4.4
Composite Mean	**4.3**	**4.5**	**4.0**	**3.8**	**3.0**	**4.7**	**4.4**	**4.4**	**4.6**	**4.4**

Notes:

- # Site change from King/Rectory (15001) to 900 Highbury Ave. (15025) in 1995

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available

Table 32: 10-Year Trend for SP (as measured by COH)

Annual Mean (COH units/1000ft)

COH annual AAQC = 0.5 COH unit

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	0.17	0.19	0.22	0.19	0.22	0.26	0.15	0.09	0.13	n/a
Hamilton Downtown	0.41	0.45	0.48	0.47	0.39	0.43	0.33	0.33	0.25	0.31
London #	0.25	0.24	0.25	0.25	0.20	0.21	0.17	0.18	0.14	0.14
Niagara Region	0.25	0.26	0.27	0.25	0.24	0.24	0.20	0.21	0.20	0.19
Ottawa	0.25	0.28	0.24	0.22	0.18	0.18	0.16	0.17	n/a	n/a
Sarnia	0.24	0.22	0.20	0.20	0.18	0.17	0.18	0.19	0.18	0.16
Sudbury	0.17	0.17	0.21	0.19	0.14	0.15	0.12	0.09	0.11	0.08
Toronto North ^	0.33	0.31	0.35	0.40	0.38	0.37	0.28	0.29	n/a	n/a
Toronto West	0.50	0.46	0.51	0.38	0.33	0.29	0.26	0.34	0.33	n/a
Windsor Downtown	0.30	0.34	0.36	0.28	0.31	0.26	0.15	0.20	0.19	0.16
Composite Mean	**0.29**	**0.29**	**0.31**	**0.28**	**0.26**	**0.26**	**0.20**	**0.21**	**0.19**	**0.17**

Notes:

- # Site changed from King/Rectory (15001) to 900 Highbury Ave. (15025) in 1995.

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available.

Table 33: 10-Year Trend for TRS

Annual Mean (ppb)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	2.9	2.3	1.8	2.5	1.3	1.2	2.0	1.2	0.9	1.1
Fort Frances	4.3	4.2	4.2	2.4	2.5	2.7	2.6	1.4	1.2	2.1
Hamilton Downtown	0.8	0.6	0.7	1.1	1.2	1.4	1.0	0.7	0.6	0.7
Marathon	0.9	0.5	0.7	0.9	0.5	0.4	0.2	0.1	0.1	0.1
Oakville	1.6	0.5	1.0	1.3	0.3	1.3	1.3	1.1	1.4	1.2
Red Rock	1.4	2.0	1.9	3.2	1.1	1.2	1.6	2.8	3.8	3.2
Terrace Bay	1.3	1.7	1.7	1.1	1.7	1.3	1.0	1.0	0.9	0.9
Tiverton	0.0	0.1	0.1	0.1	0.2	0.3	0.1	0.2	n/a	n/a
Thunder Bay	0.2	0.3	0.2	0.3	0.3	0.8	1.1	1.3	1.2	0.2
Composite Mean	**1.5**	**1.1**	**1.3**	**1.4**	**1.0**	**1.2**	**1.2**	**1.1**	**1.3**	**1.2**

Table 34: 10-Year Trend for CO

Annual Mean (ppm)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	0.8	0.5	0.8	0.5	0.6	0.6	1.1	0.3	0.4	0.3
Hamilton Downtown	1.1	1.2	1.1	0.8	0.6	1.0	0.7	1.1	0.8	0.8
Kitchener	0.6	0.5	0.4	0.3	0.3	0.4	0.2	0.3	0.4	0.4
London #	0.7	0.7	0.6	0.5	0.1	0.0	0.3	0.1	0.3	0.2
Niagara Region	1.0	0.7	0.5	0.4	0.2	0.3	0.1	0.4	0.2	0.4
Oakville	0.5	0.3	0.7	0.7	0.5	0.7	0.3	0.2	0.2	0.4
Oshawa	0.8	0.9	0.9	1.0	0.8	0.6	0.4	1.0	0.7	n/a
Ottawa	1.0	1.1	0.9	0.8	0.6	0.7	0.4	1.1	0.8	0.7
Sarnia	0.2	0.3	0.2	0.2	0.1	0.2	0.2	0.3	0.3	0.4
Sudbury	0.3	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.2
Toronto Downtown	1.1	1.0	1.1	1.0	0.7	1.3	1.2	1.1	n/a	1.3
Toronto East	1.2	1.0	0.8	1.0	1.0	1.1	0.6	0.9	0.8	n/a
Toronto North ^	0.7	1.0	1.1	0.9	0.5	0.9	0.7	1.0	0.8	n/a
Toronto West	0.8	0.6	0.7	0.7	0.8	0.7	1.0	1.0	1.0	1.8
Windsor Downtown	1.0	0.9	0.8	1.0	0.9	0.8	0.6	0.7	0.6	0.3
Composite Mean	**0.8**	**0.7**	**0.7**	**0.7**	**0.5**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**

Notes:

- # Site changed location from King/Rectory to 900 Highbury Ave. in 1995.

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available

Table 35: 10-Year Trend for NO_2

Annual Mean (ppb)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	6.0	10.0	8.0	9.0	8.0	12.0	8.0	n/a	9.0	10.5
Hamilton Downtown	22.0	19.0	22.0	22.0	19.0	22.0	18.6	22.4	21.6	21.8
Kitchener	13.0	15.0	14.0	14.0	11.0	13.0	13.7	16.5	14.0	14.7
London #	19.0	18.0	20.0	23.0	20.0	18.0	18.0	17.7	19.4	17.4
Niagara Region	16.0	12.0	17.0	17.0	14.0	16.0	13.8	15.7	16.2	16.9
Oakville	17.0	16.0	19.0	17.0	17.0	20.0	20.8	17.1	17.2	17.2
Oshawa	18.0	18.0	19.0	18.0	20.0	19.0	18.6	20.0	21.5	19.7
Ottawa	20.0	17.0	19.0	19.0	16.0	13.0	12.5	12.4	12.2	13.8
Sarnia	19.0	20.0	16.0	18.0	17.0	16.0	16.9	18.0	16.7	16.3
Sudbury	9.0	9.0	10.0	11.0	12.0	8.0	7.4	6.0	7.7	8.6
Toronto Downtown	29.0	27.0	29.0	30.0	30.0	34.0	31.7	27.7	26.9	26.8
Toronto East	24.0	19.0	19.0	22.0	25.0	23.0	23.4	25.5	24.6	23.7
Toronto North ^	29.0	24.0	21.0	20.0	18.0	22.0	20.2	23.4	24.3	22.7
Toronto West	25.0	26.0	26.0	27.0	25.0	25.0	26.7	26.2	24.7	23.2
Windsor Downtown	25.0	25.0	26.0	28.0	25.0	26.0	23.8	23.8	22.9	21.6
Composite Mean	**19.4**	**18.3**	**19.0**	**19.7**	**18.5**	**19.1**	**18.3**	**19.5**	**18.6**	**18.3**

Notes:

- # Site changed location from King/Rectory to 900 Highbury Ave. in 1995.

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available

Table 36: 10-Year Trend for NO

Annual Mean (ppb)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	6.0	8.0	7.0	6.0	6.0	8.0	6.3	n/a	5.9	3.4
Hamilton Downtown	11.0	15.0	17.0	18.0	16.0	15.0	10.8	12.6	12.0	14.7
Kitchener	5.0	6.0	6.0	8.0	7.0	7.0	5.5	6.9	6.6	7.4
London #	11.0	13.0	13.0	18.0	15.0	10.0	7.6	9.1	8.5	8.0
Niagara Region	8.0	14.0	12.0	10.0	10.0	13.0	10.3	16.3	11.7	12.4
Oakville	11.0	13.0	16.0	15.0	15.0	16.0	14.9	15.8	13.0	16.2
Oshawa	14.0	14.0	17.0	19.0	18.0	15.0	16.4	15.6	15.1	14.2
Ottawa	9.0	11.0	12.0	11.0	7.0	8.0	7.0	7.9	14.8	11.0
Sarnia	6.0	7.0	7.0	9.0	6.0	7.0	7.0	6.9	7.1	8.9
Sudbury	5.0	4.0	4.0	5.0	6.0	6.0	4.9	3.7	5.0	4.5
Toronto Downtown	n/a	25.0	27.0	25.0	23.0	42.0	32.9	24.3	15.8	14.4
Toronto East	26.0	25.0	24.0	26.0	24.0	23.0	24.9	23.2	20.1	23.0
Toronto North ^	20.0	21.0	16.0	17.0	18.0	17.0	16.3	16.5	16.5	16.8
Toronto West	19.0	25.0	22.0	23.0	19.0	22.0	18.6	17.9	20.7	19.3
Windsor Downtown	19.0	18.0	17.0	17.0	15.0	16.0	15.9	16.3	13.3	13.9
Composite Mean	**12.1**	**14.6**	**14.5**	**15.1**	**13.7**	**15.0**	**13.3**	**13.8**	**12.4**	**12.5**

Notes:

- # Site change location from King/Rectory (15001) to 900 Highbury Ave (15025) in 1995

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available

Table 37: 10-Year Trend for NO_X

Annual Mean (ppb)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	16.0	19.0	17.0	17.0	16.0	17.0	14.5	n/a	14.7	14.2
Hamilton Downtown	33.0	33.0	39.0	40.0	35.0	37.0	29.5	34.7	34.0	37.0
Kitchener	21.0	22.0	21.0	23.0	20.0	20.0	19.2	23.9	20.5	21.9
London #	31.0	34.0	35.0	38.0	32.0	28.0	24.4	25.8	25.9	24.7
Niagara Region	24.0	27.0	30.0	28.0	25.0	29.0	24.5	31.7	24.8	28.8
Oakville	28.0	30.0	35.0	34.0	32.0	33.0	32.8	30.0	29.6	33.0
Oshawa	32.0	33.0	36.0	37.0	36.0	35.0	34.9	35.1	35.8	33.6
Ottawa	29.0	28.0	29.0	28.0	22.0	25.0	19.6	22.8	27.5	24.4
Sarnia	26.0	26.0	23.0	28.0	23.0	23.0	24.9	25.1	23.5	25.0
Sudbury	14.0	14.0	16.0	17.0	17.0	14.0	12.5	9.4	12.7	12.6
Toronto Downtown	54.0	52.0	55.0	54.0	55.0	76.0	64.3	51.6	41.9	40.4
Toronto East	50.0	46.0	46.0	50.0	49.0	45.0	47.5	48.3	44.9	46.3
Toronto North ^	49.0	45.0	37.0	38.0	36.0	39.0	36.7	39.9	40.7	39.3
Toronto West	44.0	51.0	49.0	49.0	45.0	47.0	45.2	43.7	45.4	42.3
Windsor Downtown	42.0	42.0	42.0	42.0	38.0	39.0	39.3	38.5	37.0	36.0
Composite Mean	**32.9**	**33.5**	**34.0**	**34.9**	**32.1**	**33.8**	**31.3**	**32.9**	**30.6**	**30.6**

Notes:

- # Site change from King/Rectory (15001) to 900 Highbury Ave. (15025) in 1995.

- ^ Site changed location from Science Centre (34002) to North York Central (34020) in 1992.

- n/a - data not available

Table 38: 10-Year Trend for O_3

Annual Mean (ppb)

City	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Cornwall	20.7	20.8	21.6	21.7	23.5	21.0	22.8	24.2	25.8	24.0
Grand Bend	n/a	29.7	31.3	30.2	31.3	31.9	31.2	31.2	32.5	32.6
Hamilton Downtown	19.9	16.9	16.9	17.0	18.0	17.3	18.1	19.1	19.5	17.0
Kitchener	27.2	22.7	23.2	24.4	25.1	23.8	23.4	25.4	25.2	23.0
London #	22.7	20.3	22.8	23.1	21.7	23.1	22.8	25.1	25.8	21.1
Long Point	33.9	32.3	31.2	32.2	31.0	34.4	35.2	32.9	35.6	33.1
Mandaumin	28.1	23.5	24.5	24.6	24.0	23.4	27.9	29.9	29.0	25.9
Merlin	28.4	24.3	23.7	24.2	25.0	28.6	27.0	28.4	27.2	24.6
Mississauga	18.6	15.6	16.1	19.5	19.2	19.4	20.0	20.8	22.2	19.9
Niagara Region	25.0	19.3	23.9	23.6	20.5	20.3	20.9	20.8	21.7	18.9
Oakville	22.1	19.3	21.0	22.5	20.4	21.1	20.8	21.8	22.4	21.0
Oshawa	22.6	20.3	21.4	23.8	22.7	21.9	23.2	23.1	25.0	21.2
Ottawa	20.8	17.4	18.1	19.7	20.9	18.9	20.6	19.1	21.2	19.9
Sarnia	23.4	21.3	22.6	21.4	22.2	25.2	24.5	26.1	26.5	24.3
Simcoe	29.1	25.1	27.8	30.2	30.7	29.9	28.6	31.1	31.3	29.3
Sudbury	27.0	25.4	25.9	27.1	29.7	28.1	28.0	29.1	30.7	26.1
Tiverton	34.2	33.4	32.2	31.7	31.6	32.0	32.5	32.2	n/a	32.3
Toronto Downtown	18.0	12.5	14.6	16.9	16.6	12.2	13.7	17.8	20.2	19.7
Toronto East	19.1	14.3	17.0	18.2	19.3	18.9	18.0	20.6	21.5	19.6
Toronto West	19.0	15.4	16.0	17.4	16.3	17.1	19.4	20.2	n/a	20.1
Windsor Downtown	17.6	15.1	17.1	18.0	18.3	20.4	20.7	21.4	21.7	18.6
York Region	25.0	23.0	23.0	25.3	24.4	26.4	30.1	31.4	31.2	27.5
Composite Mean	**24.3**	**21.2**	**23.1**	**23.9**	**23.4**	**23.4**	**24.1**	**25.1**	**25.8**	**23.6**

Notes:

- # Site change from King/Rectory (15001) to 900 Highbury Ave. (15025) in 1995.

- n/a - data not available

Table 39: Stations Used in Gaseous Trends

City	Station # (Sampling Period)
Burlington	44008 (1991 - 2000)
Cornwall	56051 (1991 - 2000)
Toronto West (Etobicoke)	35003 (1991 - 2000)
Fort Frances	62030 (1991 - 2000)
Hamilton Downtown	29000 (1991 - 2000)
Grand Bend	15020 (1991 - 2000)
Kitchener	26060 (1991 - 2000)
London	15001 (1991 - 1995); 15025 (1996 - 2000)
Long Point	22901 (1991 - 2000)
Mandaumin	14118 (1991 - 2000)
Merlin	13021 (1991 - 2000)
Mississauga	46110 (1991 - 2000)
Niagara Falls	27056 (1991 - 1992); 27072 (1993-2000)
North Bay	75010 (1991 - 2000)
Toronto North (North York)	34002 (1991); 34020 (1992-2000)
Oakville	44015 (1991 - 2000)
Oshawa	45025 (1991 - 2000)
Ottawa	51001 (1991 - 2000)
Peterborough	59006 (1991 - 2000)
Sarnia	14064 (1991 - 2000)
Toronto East (Scarborough)	33003 (1991 - 2000)
Simcoe	22071 (1991 - 2000)
Niagara Region	27067 (1991 - 2000)
York Region	48002 (1991 - 2000)
Sudbury	77203 (1991 - 2000)
Terrace Bay	63020 (1991 - 2000)
Thunder Bay	63200 (1991 - 2000)
Tiverton	18007 (1991 - 2000)
Toronto Downtown	31103 (1991 - 2000)
Windsor Downtown	12008 (1991 - 2000)

Table 40: VOC Annual Statistics at Egbert (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane	168	0	0.258	0.284	0.303	0.321	0.349	0.373	0.243	0.304	0.028
1,2,3-Trimethylbenzene	168	150	0.050	0.050	0.050	0.050	0.058	0.849	0.050	0.062	0.074
1,2,4-Trimethylbenzene	168	73	0.050	0.050	0.053	0.077	0.166	2.051	0.050	0.107	0.206
1,3,5-Trimethylbenzene	168	151	0.050	0.050	0.050	0.050	0.051	0.631	0.050	0.061	0.057
1,3-Butadiene	168	160	0.050	0.050	0.050	0.050	0.050	0.109	0.050	0.052	0.008
1,3-Diethylbenzene	168	165	0.050	0.050	0.050	0.050	0.050	0.181	0.050	0.051	0.012
1,4-Dichlorobenzene	168	156	0.050	0.050	0.050	0.050	0.050	0.164	0.050	0.053	0.013
1,4-Diethylbenzene	168	127	0.050	0.050	0.050	0.050	0.069	0.685	0.050	0.062	0.060
1-Butene Isobutene	168	1	0.068	0.110	0.143	0.164	0.201	0.556	0.050	0.151	0.076
1-Hexene	168	53	0.050	0.050	0.109	0.129	0.147	0.235	0.050	0.101	0.041
1-Pentene	168	69	0.050	0.050	0.055	0.065	0.081	0.140	0.050	0.061	0.017
2,2,4-Trimethylpentane	168	51	0.050	0.050	0.083	0.149	0.244	0.802	0.050	0.126	0.117
2,2,5-Trimethylhexane	168	165	0.050	0.050	0.050	0.050	0.050	0.065	0.050	0.050	0.001
2,2-Dimethylbutane	168	54	0.050	0.050	0.065	0.089	0.117	0.230	0.050	0.075	0.032
2,2-Dimethylhexane	162	159	0.050	0.050	0.050	0.050	0.050	0.101	0.050	0.051	0.004
2,2-Dimethylpentane	168	163	0.050	0.050	0.050	0.050	0.050	0.062	0.050	0.050	0.001
2,3,4-Trimethylpentane	168	123	0.050	0.050	0.050	0.051	0.085	0.329	0.050	0.062	0.036
2,3-Dimethylbutane	168	93	0.050	0.050	0.050	0.080	0.127	0.426	0.050	0.078	0.061
2,3-Dimethylpentane	168	91	0.050	0.050	0.050	0.077	0.119	0.332	0.050	0.073	0.046
2,4-Dimethylhexane	168	129	0.050	0.050	0.050	0.050	0.075	0.234	0.050	0.057	0.022
2,4-Dimethylpentane	168	136	0.050	0.050	0.050	0.050	0.066	0.205	0.050	0.056	0.020
2,5-Dimethylhexane	168	153	0.050	0.050	0.050	0.050	0.050	0.140	0.050	0.053	0.012
2-Ethyl-1-butene	150	150									
2-Ethyltoluene	168	144	0.050	0.050	0.050	0.050	0.075	0.541	0.050	0.063	0.052
2-methyl-1-butene	168	78	0.050	0.050	0.052	0.066	0.077	0.155	0.050	0.061	0.017
2-Methyl-2-butene	168	129	0.050	0.050	0.050	0.050	0.070	0.123	0.050	0.055	0.012
2-Methylheptane	168	104	0.050	0.050	0.050	0.058	0.126	0.363	0.050	0.071	0.055
2-Methylhexane	168	100	0.050	0.050	0.050	0.088	0.154	0.729	0.050	0.087	0.093
2-Methylpentane	168	11	0.050	0.088	0.160	0.282	0.479	1.463	0.050	0.230	0.228
3-Ethyltoluene	168	117	0.050	0.050	0.050	0.058	0.129	1.026	0.050	0.084	0.115
3-Methyl-1-pentene	168	168									

Table 40: VOC Annual Statistics at Egbert (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
3-Methylheptane	168	136	0.050	0.050	0.050	0.050	0.082	0.309	0.050	0.062	0.038
3-Methylhexane	168	60	0.050	0.050	0.064	0.125	0.211	0.786	0.050	0.113	0.118
3-Methylpentane	168	12	0.050	0.073	0.112	0.190	0.318	1.060	0.050	0.165	0.158
4-Ethyltoluene	168	101	0.050	0.050	0.050	0.058	0.101	0.519	0.050	0.068	0.054
4-Methyl-1-pentene	168	166	0.050	0.050	0.050	0.050	0.050	0.058	0.050	0.050	0.001
4-Methylheptane	168	155	0.050	0.050	0.050	0.050	0.050	0.127	0.050	0.052	0.011
Acetaldehyde	84	0	0.505	0.730	0.970	1.333	1.815	2.482	0.380	1.093	0.474
Acetone	84	0	1.290	2.206	3.280	4.259	5.041	6.173	0.699	3.237	1.320
Acetylene	168	0	0.158	0.300	0.529	0.861	1.342	3.044	0.100	0.681	0.566
Benzene	168	0	0.130	0.197	0.320	0.502	0.794	2.223	0.104	0.406	0.311
Butane	168	0	0.163	0.317	0.603	1.113	2.130	9.076	0.116	0.976	1.219
Carbontetrachloride	168	0	0.536	0.634	0.702	0.727	0.768	0.822	0.515	0.683	0.076
Chloroform	168	0	0.065	0.078	0.099	0.112	0.123	0.171	0.061	0.098	0.022
Chloromethane	168	0	0.983	1.059	1.134	1.179	1.248	1.770	0.809	1.132	0.113
cis-1,2-Dimethylcyclohexane	167	156	0.050	0.050	0.050	0.050	0.050	0.395	0.050	0.056	0.035
cis-1,3-Dimethylcyclohexane	168	143	0.050	0.050	0.050	0.050	0.081	1.148	0.050	0.070	0.096
cis-1,4/t-1,3-Dimethylcyclohexane	168	157	0.050	0.050	0.050	0.050	0.050	0.496	0.050	0.055	0.036
cis-2-Butene	168	160	0.050	0.050	0.050	0.050	0.050	0.173	0.050	0.052	0.011
cis-2-Hexene	168	168									
cis-2-Pentene	168	94	0.050	0.050	0.050	0.054	0.062	0.080	0.050	0.053	0.006
cis-3-Methyl-2-pentene	168	168									
cis-4-Methyl-2-pentene	168	168									
Cyclohexane	168	113	0.050	0.050	0.050	0.065	0.104	0.315	0.050	0.068	0.043
Cyclopentane	168	71	0.050	0.050	0.064	0.100	0.140	0.374	0.050	0.084	0.056
Cyclopentene	168	168									
Decane	168	117	0.050	0.050	0.050	0.053	0.129	20.211	0.050	0.280	1.881
Dichloromethane	168	0	0.158	0.190	0.220	0.320	0.582	3.474	0.133	0.365	0.449
Dodecane	168	127	0.050	0.050	0.050	0.050	0.071	0.379	0.050	0.060	0.039
Ethane	168	0	0.803	1.080	1.906	2.603	3.824	8.772	0.697	2.105	1.283
Ethylbenzene	168	63	0.050	0.050	0.066	0.160	0.323	2.169	0.050	0.183	0.330
Ethylene	168	0	0.109	0.158	0.292	0.530	0.999	3.133	0.090	0.462	0.523

Table 40: VOC Annual Statistics at Egbert (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Formaldehyde	84	0	0.675	1.171	1.808	2.599	3.161	3.672	0.311	1.903	0.847
Freon11	168	0	1.624	1.717	1.793	1.892	1.969	2.212	1.316	1.807	0.140
Freon22	168	0	0.419	0.520	0.568	0.631	0.734	6.935	0.307	0.641	0.566
Heptane	168	22	0.050	0.074	0.096	0.136	0.235	0.879	0.050	0.131	0.121
Hexane	168	12	0.050	0.085	0.142	0.233	0.393	1.350	0.050	0.205	0.210
Indane	168	158	0.050	0.050	0.050	0.050	0.050	0.197	0.050	0.052	0.014
Isobutane	168	1	0.085	0.147	0.296	0.491	0.945	3.013	0.050	0.444	0.510
Isopentane	168	0	0.154	0.241	0.574	0.875	1.602	4.872	0.083	0.773	0.790
Isoprene	168	59	0.050	0.050	0.109	0.411	0.694	1.550	0.050	0.270	0.310
iso-Propylbenzene	168	159	0.050	0.050	0.050	0.050	0.050	0.209	0.050	0.052	0.015
m and p-Xylene	168	11	0.050	0.085	0.147	0.343	0.933	6.292	0.050	0.476	0.984
MEK	84	3	0.144	0.305	0.509	0.853	1.159	3.364	0.050	0.630	0.528
Methylcyclohexane	168	115	0.050	0.050	0.050	0.061	0.124	1.074	0.050	0.084	0.112
Methylcyclopentane	168	74	0.050	0.050	0.060	0.107	0.188	0.610	0.050	0.099	0.095
Naphthalene	59	51	0.050	0.050	0.050	0.050	0.066	0.311	0.050	0.064	0.049
n-Butylbenzene	168	164	0.050	0.050	0.050	0.050	0.050	0.346	0.050	0.053	0.027
Nonane	167	107	0.050	0.050	0.050	0.066	0.188	10.138	0.050	0.212	1.016
n-Propylbenzene	168	138	0.050	0.050	0.050	0.050	0.085	0.592	0.050	0.064	0.056
Octane	168	95	0.050	0.050	0.050	0.069	0.172	1.328	0.050	0.090	0.126
o-Xylene	168	66	0.050	0.050	0.063	0.131	0.304	2.143	0.050	0.162	0.291
p-Cymene	168	101	0.050	0.050	0.050	0.065	0.090	0.299	0.050	0.063	0.031
Pentane	168	0	0.116	0.176	0.355	0.557	1.018	3.269	0.062	0.480	0.479
Propane	168	0	0.204	0.495	1.117	1.872	3.102	6.115	0.114	1.438	1.223
Propionaldehyde	84	1	0.101	0.148	0.204	0.282	0.392	0.645	0.050	0.226	0.114
Propylene	168	0	0.073	0.090	0.114	0.178	0.275	1.024	0.059	0.165	0.151
Styrene	168	146	0.050	0.050	0.050	0.050	0.054	0.604	0.050	0.063	0.064
Toluene	168	0	0.127	0.228	0.465	0.893	1.946	11.108	0.078	0.987	1.757
trans-1,2-Dimethylcyclohexane	168	146	0.050	0.050	0.050	0.050	0.065	1.255	0.050	0.067	0.102
trans-1,4-Dimethylcyclohexane	168	155	0.050	0.050	0.050	0.050	0.050	0.426	0.050	0.054	0.030
trans-2-Butene	168	161	0.050	0.050	0.050	0.050	0.050	0.189	0.050	0.052	0.012
trans-2-Hexene	168	168									

Table 40: VOC Annual Statistics at Egbert (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
trans-2-Pentene	168	161	0.050	0.050	0.050	0.050	0.050	0.104	0.050	0.051	0.007
trans-3-Methyl-2-pentene	86	85	0.050	0.050	0.050	0.050	0.050	0.106	0.050	0.051	0.006
Trichloroethylene	168	43	0.050	0.050	0.067	0.088	0.178	1.116	0.050	0.108	0.150
Undecane	168	111	0.050	0.050	0.050	0.058	0.100	11.310	0.050	0.184	1.055

Notes:

-VOC sites are operated by Environment Canada.

Table 41: VOC Annual Statistics at Etobicoke South (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane	50	0	0.270	0.310	0.350	0.370	0.420	0.450	0.230	0.343	0.047
1,1,2,2-Tetrachloroethane	50	12	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.056	0.010
1,1,2-Trichloroethane	50	33	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
1,1-Dichloroethane	50	47	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	50	5	0.050	0.050	0.060	0.070	0.080	0.100	0.050	0.062	0.013
1,2,3-Trimethylbenzene	50	0	0.120	0.180	0.240	0.320	0.570	0.720	0.080	0.278	0.145
1,2,4-Trichlorobenzene	50	50									
1,2,4-Trimethylbenzene	50	0	0.440	0.690	0.890	1.200	2.010	2.530	0.300	1.042	0.555
1,2-Dichlorobenzene	50	50									
1,2-Dichloroethane	50	0	0.060	0.070	0.090	0.100	0.160	0.260	0.050	0.098	0.043
1,2-Dichloropropane	50	39	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	50	39	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
1,3,5-Trimethylbenzene	50	0	0.130	0.220	0.290	0.400	0.660	0.840	0.090	0.336	0.176
1,3-Butadiene	50	0	0.120	0.150	0.210	0.280	0.420	0.620	0.110	0.238	0.112
1,3-Dichlorobenzene	50	50									
1,3-Diethylbenzene	50	4	0.050	0.060	0.070	0.090	0.140	0.180	0.050	0.080	0.030
1,4-Dichlorobenzene	50	0	0.080	0.100	0.140	0.190	0.310	0.410	0.070	0.163	0.078
1,4-Dichlorobutane	50	50									
1,4-Diethylbenzene	50	0	0.110	0.160	0.190	0.270	0.410	0.520	0.090	0.227	0.098
1-Butene/Isobutene	50	0	0.430	0.540	0.690	1.000	1.340	2.400	0.370	0.821	0.426
1-Butyne	50	50									
1-Decene	50	6	0.050	0.050	0.090	0.130	0.180	0.280	0.050	0.101	0.055
1-Heptene	50	1	0.070	0.100	0.130	0.180	0.230	0.400	0.050	0.145	0.070
1-Hexene	50	0	0.150	0.180	0.220	0.260	0.360	0.580	0.140	0.243	0.090
1-Methylcyclohexene	50	14	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.056	0.010
1-Methylcyclopentene	50	3	0.050	0.050	0.070	0.090	0.140	0.180	0.050	0.077	0.032
1-Nonene	50	12	0.050	0.050	0.060	0.090	0.120	0.170	0.050	0.073	0.029
1-Octene	50	20	0.050	0.050	0.050	0.060	0.080	0.130	0.050	0.058	0.016
1-Pentene	50	0	0.100	0.130	0.170	0.210	0.290	0.380	0.070	0.181	0.068
1-Propyne	50	0	0.070	0.080	0.100	0.140	0.210	0.290	0.060	0.119	0.053
2,2,3-Trimethylbutane	50	50									

Table 41: VOC Annual Statistics at Etobicoke South (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	50	0	0.310	0.440	0.600	0.830	1.400	1.780	0.290	0.711	0.377
2,2,5-Trimethylhexane	50	19	0.050	0.050	0.050	0.060	0.110	0.130	0.050	0.063	0.023
2,2-Dimethylbutane	50	0	0.130	0.160	0.200	0.250	0.350	0.460	0.110	0.217	0.083
2,2-Dimethylhexane	50	39	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.052	0.007
2,2-Dimethylpentane	50	5	0.050	0.050	0.070	0.090	0.120	0.160	0.050	0.075	0.026
2,2-Dimethylpropane	50	12	0.050	0.050	0.060	0.070	0.110	0.480	0.050	0.074	0.063
2,3,4-Trimethylpentane	50	0	0.130	0.170	0.240	0.320	0.540	0.670	0.110	0.272	0.141
2,3-Dimethylbutane	50	0	0.210	0.280	0.350	0.500	0.900	1.270	0.180	0.437	0.241
2,3-Dimethylpentane	50	0	0.150	0.200	0.290	0.380	0.570	0.910	0.140	0.327	0.175
2,4-Dimethylhexane	50	0	0.090	0.110	0.150	0.180	0.280	0.400	0.060	0.164	0.078
2,4-Dimethylpentane	50	0	0.090	0.130	0.170	0.210	0.370	0.420	0.070	0.188	0.088
2,5-Dimethylhexane	50	0	0.060	0.080	0.110	0.150	0.220	0.330	0.060	0.127	0.063
2-Ethyl-1-butene	50	35	0.050	0.050	0.050	0.050	0.070	0.110	0.050	0.054	0.012
2-Ethyltoluene	50	0	0.120	0.180	0.240	0.330	0.530	0.660	0.100	0.274	0.134
2-methyl-1-butene	50	0	0.100	0.160	0.260	0.420	0.600	0.780	0.090	0.299	0.180
2-Methyl-2-butene	50	0	0.160	0.220	0.320	0.450	0.710	1.190	0.100	0.374	0.214
2-Methylheptane	50	0	0.120	0.190	0.260	0.440	0.930	1.110	0.110	0.371	0.267
2-Methylhexane	50	0	0.250	0.360	0.540	0.720	1.010	1.660	0.230	0.595	0.321
2-Methylpentane	50	0	0.750	0.970	1.330	1.760	3.300	4.560	0.540	1.571	0.886
3,6-Dimethyloctane	50	22	0.050	0.050	0.050	0.070	0.110	0.140	0.050	0.065	0.024
3-Ethyltoluene	50	0	0.280	0.400	0.560	0.760	1.240	1.590	0.190	0.640	0.337
3-Methyl-1-pentene	50	34	0.050	0.050	0.050	0.050	0.070	0.090	0.050	0.054	0.009
3-Methylheptane	50	0	0.090	0.160	0.230	0.390	0.680	0.950	0.090	0.305	0.205
3-Methylhexane	50	0	0.290	0.400	0.610	0.860	1.200	1.920	0.250	0.695	0.388
3-Methylpentane	50	0	0.490	0.670	0.840	1.340	2.180	3.060	0.440	1.075	0.615
4-Ethyltoluene	50	0	0.170	0.240	0.310	0.420	0.640	0.870	0.130	0.349	0.167
4-Methyl-1-pentene	50	36	0.050	0.050	0.050	0.050	0.070	0.090	0.050	0.053	0.008
4-Methylheptane	50	2	0.050	0.070	0.110	0.180	0.330	0.440	0.050	0.143	0.096
Acetylene	50	0	1.167	1.494	2.246	3.363	5.718	8.058	1.088	2.792	1.705
Benzene	50	0	0.820	1.030	1.260	1.680	2.500	3.120	0.770	1.467	0.603
Bromodichloromethane	50	1	0.060	0.070	0.080	0.100	0.120	0.180	0.050	0.086	0.026

Table 41: VOC Annual Statistics at Etobicoke South (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	50	8	0.050	0.050	0.060	0.070	0.070	0.090	0.050	0.059	0.011
Bromomethane	50	0	0.120	0.140	0.160	0.180	0.200	0.260	0.100	0.161	0.031
Butane	50	0	1.480	2.180	4.160	6.730	15.170	47.730	1.160	6.409	7.599
Carbontetrachloride	50	0	0.570	0.690	0.720	0.750	0.810	0.850	0.460	0.712	0.073
Chlorobenzene	50	50									
Chloroethane	50	0	0.060	0.070	0.090	0.120	0.280	0.560	0.050	0.127	0.104
Chloroform	50	0	0.090	0.120	0.150	0.180	0.240	0.450	0.090	0.164	0.068
Chloromethane	50	0	0.960	1.130	1.200	1.280	1.410	1.580	0.890	1.205	0.143
cis-1,2-Dichloroethylene	50	36	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.051	0.005
cis-1,2-Dimethylcyclohexane	50	23	0.050	0.050	0.050	0.060	0.090	0.170	0.050	0.059	0.022
cis-1,3-Dichloropropene	50	49	0.050	0.050	0.050	0.050	0.050	0.680	0.050	0.063	0.089
cis-1,3-Dimethylcyclohexane	50	3	0.050	0.080	0.120	0.240	0.390	0.710	0.050	0.179	0.147
cis-1,4/t-1,3-Dimethylcyclohexane	50	24	0.050	0.050	0.050	0.060	0.110	0.260	0.050	0.067	0.038
cis-2-Butene	50	0	0.090	0.130	0.180	0.280	0.450	0.780	0.080	0.233	0.154
cis-2-Heptene	50	26	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.006
cis-2-Hexene	50	21	0.050	0.050	0.050	0.060	0.090	0.130	0.050	0.061	0.018
cis-2-Pentene	50	0	0.090	0.120	0.150	0.200	0.290	0.460	0.060	0.173	0.076
cis-3-Methyl-2-pentene	50	19	0.050	0.050	0.050	0.070	0.110	0.150	0.050	0.067	0.027
cis-4-Methyl-2-pentene	50	46	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.005
Cyclohexane	50	0	0.120	0.170	0.220	0.300	0.460	2.360	0.100	0.296	0.325
Cyclohexene	50	25	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
Cyclopentane	50	0	0.150	0.220	0.280	0.370	0.610	1.100	0.140	0.333	0.192
Cyclopentene	50	17	0.050	0.050	0.050	0.070	0.110	0.150	0.050	0.065	0.025
Decane	50	0	0.220	0.390	0.570	0.900	1.460	2.020	0.170	0.715	0.459
Dibromochloromethane	50	5	0.050	0.050	0.060	0.060	0.080	0.090	0.050	0.059	0.012
Dibromomethane	50	0	0.080	0.090	0.100	0.110	0.130	0.160	0.070	0.102	0.018
Dichloromethane	50	0	0.520	1.090	1.980	3.750	12.300	35.920	0.420	4.039	6.015
Dodecane	50	0	0.090	0.140	0.200	0.260	0.440	0.690	0.060	0.233	0.131
EDB	50	6	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.058	0.009
Ethane	50	0	1.785	2.338	3.539	4.715	7.234	10.265	1.506	3.962	2.083
Ethylbenzene	50	0	0.480	0.810	1.190	1.670	2.700	4.980	0.350	1.424	0.869

Table 41: VOC Annual Statistics at Etobicoke South (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	50	40	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
Ethylene	50	0	1.444	1.793	2.488	3.625	6.776	8.696	1.288	3.085	1.862
Freon11	50	0	1.540	1.740	1.850	1.970	2.070	2.310	1.250	1.839	0.195
Freon114	50	0	0.190	0.220	0.230	0.250	0.270	0.300	0.160	0.231	0.028
Freon12	50	0	2.470	2.730	2.900	3.100	3.220	3.440	2.220	2.903	0.251
Freon22	50	0	0.690	0.810	0.930	1.210	1.710	3.050	0.640	1.095	0.489
Heptane	50	0	0.280	0.380	0.530	0.780	1.060	2.240	0.240	0.621	0.362
Hexachlorobutadiene	50	50									
Hexane	50	0	0.540	0.750	1.050	1.700	2.190	3.450	0.450	1.259	0.695
Hexylbenzene	34	17	0.050	0.050	0.050	0.070	0.130	0.200	0.050	0.069	0.035
Indane	50	0	0.070	0.100	0.120	0.150	0.230	0.320	0.050	0.132	0.056
Isobutane	50	0	0.730	1.130	2.100	3.930	8.850	23.330	0.590	3.523	4.316
iso-Butylbenzene	50	33	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
Isopentane	50	0	1.870	2.550	3.330	4.300	8.130	9.370	1.470	3.989	2.053
Isoprene	50	0	0.080	0.120	0.190	0.260	0.400	0.590	0.050	0.208	0.117
iso-Propylbenzene	50	3	0.050	0.070	0.080	0.100	0.150	0.200	0.050	0.090	0.033
m and p-Xylene	50	0	1.320	2.440	3.560	5.320	8.750	17.130	0.870	4.401	2.957
Methylcyclohexane	50	0	0.130	0.180	0.290	0.420	0.730	1.570	0.110	0.363	0.265
Methylcyclopentane	50	0	0.310	0.440	0.560	0.830	1.220	1.790	0.240	0.648	0.318
n-Butylbenzene	50	3	0.050	0.060	0.070	0.090	0.130	0.170	0.050	0.078	0.030
Nonane	50	0	0.160	0.230	0.340	0.520	0.870	1.040	0.130	0.406	0.232
n-Propylbenzene	50	0	0.120	0.160	0.210	0.280	0.450	0.560	0.090	0.236	0.111
Octane	50	0	0.130	0.200	0.290	0.470	0.750	1.220	0.120	0.384	0.263
o-Xylene	50	0	0.420	0.730	1.100	1.370	2.260	3.980	0.330	1.256	0.716
p-Cymene	50	3	0.050	0.060	0.090	0.140	0.170	0.360	0.050	0.108	0.066
Pentane	50	0	1.160	1.650	2.250	3.020	4.940	5.440	0.960	2.594	1.269
Propane	50	0	1.800	2.620	4.170	6.620	8.750	10.700	1.280	4.791	2.621
Propylene	50	0	0.520	0.690	0.880	1.250	2.100	2.670	0.440	1.095	0.569
sec-Butylbenzene	50	25	0.050	0.050	0.050	0.060	0.080	0.110	0.050	0.056	0.014
Styrene	50	0	0.190	0.380	0.970	4.290	10.920	19.100	0.090	3.481	4.946
tert-Butylbenzene	50	49	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000

Table 41: VOC Annual Statistics at Etobicoke South (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	50	0	0.220	0.350	0.550	0.860	1.450	6.610	0.190	0.781	0.941
Toluene	50	0	2.010	3.610	5.700	9.810	14.560	19.350	1.650	6.991	4.331
trans-1,2-Dichloroethylene	50	48	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	50	8	0.050	0.050	0.080	0.150	0.230	0.500	0.050	0.116	0.091
trans-1,3-Dichloropropene	50	49	0.050	0.050	0.050	0.050	0.050	0.570	0.050	0.060	0.074
trans-1,4-Dimethylcyclohexane	50	18	0.050	0.050	0.060	0.090	0.170	0.310	0.050	0.083	0.056
trans-2-Butene	50	0	0.100	0.130	0.190	0.360	0.530	1.100	0.090	0.275	0.210
trans-2-Heptene	50	37	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
trans-2-Hexene	50	22	0.050	0.050	0.050	0.070	0.110	0.130	0.050	0.064	0.024
trans-2-Pentene	50	0	0.100	0.140	0.170	0.260	0.420	0.670	0.060	0.219	0.127
trans-3-Heptene	50	50									
trans-3-Methyl-2-pentene	50	24	0.050	0.050	0.050	0.070	0.100	0.140	0.050	0.062	0.021
trans-4-Methyl-2-pentene	50	50									
Trichloroethylene	50	0	0.100	0.190	0.340	0.630	1.130	2.080	0.100	0.486	0.407
Undecane	50	0	0.170	0.290	0.410	0.590	0.970	1.310	0.140	0.486	0.283
Vinylchloride	50	50									

Notes:

-VOC sites are operated by Environment Canada.

Table 42: VOC Annual Statistics at Etobicoke West (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane	60	0	0.270	0.310	0.340	0.360	0.410	0.620	0.190	0.339	0.060
1,1,2,2-Tetrachloroethane	60	9	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.057	0.010
1,1,2-Trichloroethane	60	32	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.004
1,1-Dichloroethane	60	47	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethylene	60	2	0.050	0.050	0.060	0.070	0.090	0.100	0.050	0.064	0.013
1,2,3-Trimethylbenzene	60	0	0.100	0.140	0.210	0.320	0.570	1.210	0.070	0.271	0.225
1,2,4-Trichlorobenzene	60	60									
1,2,4-Trimethylbenzene	60	0	0.310	0.500	0.710	1.110	2.100	4.340	0.260	1.004	0.866
1,2-Dichlorobenzene	60	59	0.050	0.050	0.050	0.050	0.050	0.240	0.050	0.053	0.025
1,2-Dichloroethane	60	0	0.060	0.070	0.080	0.090	0.100	0.170	0.060	0.083	0.019
1,2-Dichloropropane	60	39	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Diethylbenzene	60	44	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.052	0.009
1,3,5-Trimethylbenzene	60	0	0.100	0.160	0.230	0.350	0.660	1.430	0.090	0.321	0.277
1,3-Butadiene	60	0	0.080	0.110	0.150	0.210	0.370	0.770	0.070	0.193	0.144
1,3-Dichlorobenzene	60	60									
1,3-Diethylbenzene	60	9	0.050	0.050	0.070	0.090	0.130	0.300	0.050	0.082	0.050
1,4-Dichlorobenzene	60	1	0.070	0.110	0.160	0.250	0.400	0.720	0.050	0.199	0.143
1,4-Dichlorobutane	60	60									
1,4-Diethylbenzene	60	1	0.110	0.130	0.180	0.280	0.440	0.930	0.050	0.230	0.161
1-Butene/Isobutene	60	0	0.290	0.400	0.560	0.650	1.240	3.180	0.250	0.686	0.585
1-Butyne	60	58	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Decene	60	7	0.050	0.050	0.070	0.110	0.190	0.430	0.050	0.100	0.076
1-Heptene	60	0	0.070	0.090	0.120	0.160	0.190	1.020	0.050	0.153	0.157
1-Hexene	60	0	0.140	0.170	0.200	0.230	0.350	0.600	0.120	0.223	0.100
1-Methylcyclohexene	60	16	0.050	0.050	0.050	0.060	0.090	0.110	0.050	0.059	0.015
1-Methylcyclopentene	60	9	0.050	0.050	0.060	0.080	0.120	0.280	0.050	0.076	0.049
1-Nonene	60	23	0.050	0.050	0.050	0.070	0.110	0.260	0.050	0.067	0.039
1-Octene	60	32	0.050	0.050	0.050	0.050	0.070	0.350	0.050	0.060	0.041
1-Pentene	60	0	0.080	0.110	0.150	0.200	0.310	0.630	0.070	0.176	0.117
1-Propyne	60	3	0.050	0.060	0.080	0.110	0.190	0.430	0.050	0.108	0.079
2,2,3-Trimethylbutane	60	57	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.051	0.007

Table 42: VOC Annual Statistics at Etobicoke West (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	60	0	0.200	0.310	0.440	0.710	1.050	3.170	0.120	0.618	0.579
2,2,5-Trimethylhexane	60	35	0.050	0.050	0.050	0.060	0.090	0.220	0.050	0.063	0.035
2,2-Dimethylbutane	60	0	0.100	0.140	0.170	0.210	0.300	0.670	0.080	0.200	0.117
2,2-Dimethylhexane	60	48	0.050	0.050	0.050	0.050	0.060	0.210	0.050	0.055	0.023
2,2-Dimethylpentane	60	15	0.050	0.050	0.050	0.070	0.120	0.550	0.050	0.075	0.070
2,2-Dimethylpropane	60	20	0.050	0.050	0.050	0.060	0.090	0.160	0.050	0.061	0.022
2,3,4-Trimethylpentane	60	0	0.090	0.120	0.170	0.270	0.410	1.190	0.050	0.238	0.224
2,3-Dimethylbutane	60	0	0.120	0.220	0.280	0.420	0.800	2.350	0.070	0.403	0.419
2,3-Dimethylpentane	60	0	0.130	0.170	0.230	0.300	0.500	2.060	0.090	0.310	0.305
2,4-Dimethylhexane	60	0	0.060	0.090	0.120	0.160	0.250	0.760	0.050	0.151	0.127
2,4-Dimethylpentane	60	1	0.060	0.100	0.130	0.180	0.270	1.200	0.050	0.175	0.180
2,5-Dimethylhexane	60	3	0.050	0.060	0.090	0.120	0.190	0.610	0.050	0.116	0.102
2-Ethyl-1-butene	60	50	0.050	0.050	0.050	0.050	0.070	0.220	0.050	0.058	0.033
2-Ethyltoluene	60	0	0.100	0.140	0.190	0.300	0.550	1.160	0.080	0.263	0.220
2-methyl-1-butene	60	0	0.080	0.130	0.180	0.270	0.540	0.980	0.050	0.239	0.203
2-Methyl-2-butene	60	0	0.100	0.150	0.250	0.380	0.700	2.220	0.090	0.365	0.404
2-Methylheptane	60	0	0.100	0.150	0.190	0.270	0.580	1.300	0.080	0.275	0.246
2-Methylhexane	60	0	0.180	0.320	0.410	0.570	1.000	4.310	0.120	0.581	0.640
2-Methylpentane	60	0	0.500	0.750	0.980	1.420	2.580	7.550	0.350	1.394	1.357
3,6-Dimethyloctane	60	36	0.050	0.050	0.050	0.060	0.090	0.320	0.050	0.065	0.047
3-Ethyltoluene	60	0	0.190	0.300	0.440	0.670	1.240	2.840	0.140	0.608	0.545
3-Methyl-1-pentene	60	46	0.050	0.050	0.050	0.050	0.070	0.130	0.050	0.055	0.017
3-Methylheptane	60	0	0.090	0.130	0.170	0.230	0.500	1.110	0.050	0.236	0.217
3-Methylhexane	60	0	0.210	0.370	0.480	0.650	1.290	5.680	0.130	0.700	0.824
3-Methylpentane	60	0	0.300	0.530	0.640	0.910	1.540	5.710	0.250	0.907	0.876
4-Ethyltoluene	60	0	0.150	0.190	0.250	0.380	0.670	1.440	0.100	0.336	0.269
4-Methyl-1-pentene	60	42	0.050	0.050	0.050	0.050	0.060	0.170	0.050	0.057	0.022
4-Methylheptane	60	8	0.050	0.060	0.080	0.110	0.210	0.470	0.050	0.106	0.090
Acetylene	60	0	1.065	1.485	1.940	3.113	9.150	24.596	0.669	3.663	4.969
Benzene	60	0	0.530	0.800	1.040	1.520	2.260	5.010	0.430	1.335	0.953
Bromodichloromethane	60	1	0.060	0.070	0.080	0.100	0.140	0.200	0.050	0.093	0.036

Table 42: VOC Annual Statistics at Etobicoke West (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	60	4	0.050	0.050	0.060	0.070	0.080	0.100	0.050	0.062	0.013
Bromomethane	60	0	0.120	0.140	0.150	0.170	0.180	0.220	0.110	0.154	0.023
Butane	60	0	0.790	2.160	3.060	4.430	9.240	27.050	0.680	4.618	5.363
Carbontetrachloride	60	0	0.580	0.670	0.710	0.780	0.820	1.000	0.510	0.720	0.090
Chlorobenzene	60	60									
Chloroethane	60	0	0.060	0.080	0.090	0.120	0.160	0.710	0.060	0.114	0.093
Chloroform	60	0	0.100	0.110	0.130	0.170	0.220	0.340	0.080	0.148	0.051
Chloromethane	60	0	0.980	1.090	1.160	1.230	1.360	1.540	0.860	1.166	0.133
cis-1,2-Dichloroethylene	60	47	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003
cis-1,2-Dimethylcyclohexane	60	29	0.050	0.050	0.050	0.050	0.090	0.180	0.050	0.061	0.030
cis-1,3-Dichloropropene	60	58	0.050	0.050	0.050	0.050	0.050	0.520	0.050	0.059	0.062
cis-1,3-Dimethylcyclohexane	60	2	0.050	0.070	0.090	0.130	0.290	0.730	0.050	0.142	0.143
cis-1,4/t-1,3-Dimethylcyclohexane	60	39	0.050	0.050	0.050	0.050	0.100	0.260	0.050	0.066	0.047
cis-2-Butene	60	0	0.070	0.110	0.150	0.200	0.350	1.170	0.060	0.202	0.211
cis-2-Heptene	60	28	0.050	0.050	0.050	0.050	0.060	0.140	0.050	0.053	0.013
cis-2-Hexene	60	37	0.050	0.050	0.050	0.060	0.090	0.230	0.050	0.063	0.036
cis-2-Pentene	60	0	0.070	0.110	0.130	0.180	0.310	0.790	0.060	0.171	0.136
cis-3-Methyl-2-pentene	60	31	0.050	0.050	0.050	0.060	0.110	0.280	0.050	0.066	0.046
cis-4-Methyl-2-pentene	60	57	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.006
Cyclohexane	60	0	0.100	0.140	0.190	0.250	0.430	1.560	0.080	0.255	0.249
Cyclohexene	60	30	0.050	0.050	0.050	0.050	0.070	0.110	0.050	0.054	0.012
Cyclopentane	60	0	0.130	0.170	0.220	0.320	0.590	1.850	0.070	0.326	0.347
Cyclopentene	60	23	0.050	0.050	0.050	0.060	0.110	0.230	0.050	0.065	0.037
Decane	60	0	0.160	0.280	0.420	0.690	1.380	3.610	0.100	0.617	0.620
Dibromochloromethane	60	3	0.050	0.050	0.060	0.070	0.080	0.100	0.050	0.063	0.014
Dibromomethane	60	0	0.080	0.090	0.100	0.110	0.140	0.200	0.070	0.104	0.022
Dichloromethane	60	0	0.400	0.540	0.830	1.980	4.210	10.280	0.250	1.528	1.781
Dodecane	60	2	0.060	0.140	0.200	0.300	0.510	1.300	0.050	0.252	0.209
EDB	60	5	0.050	0.050	0.060	0.070	0.080	0.090	0.050	0.060	0.010
Ethane	60	0	1.587	2.312	3.239	4.254	6.618	13.127	1.183	3.676	2.145
Ethylbenzene	60	0	0.390	0.620	0.800	1.170	2.450	7.490	0.250	1.192	1.261

Table 42: VOC Annual Statistics at Etobicoke West (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	60	53	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Ethylene	60	0	0.993	1.343	1.781	2.853	6.132	10.258	0.747	2.563	2.089
Freon11	60	0	1.570	1.690	1.840	2.000	2.130	2.930	1.480	1.862	0.248
Freon114	60	0	0.190	0.210	0.230	0.250	0.270	0.300	0.180	0.232	0.028
Freon12	60	0	2.320	2.640	2.860	3.050	3.330	3.740	2.150	2.848	0.327
Freon22	60	0	0.580	0.690	0.750	0.920	1.270	2.360	0.460	0.872	0.346
Heptane	60	0	0.220	0.360	0.440	0.620	1.080	4.690	0.200	0.636	0.682
Hexachlorobutadiene	60	60									
Hexane	60	0	0.360	0.620	0.800	1.040	2.120	8.820	0.300	1.166	1.357
Hexylbenzene	44	21	0.050	0.050	0.060	0.100	0.140	0.880	0.050	0.120	0.182
Indane	60	1	0.060	0.070	0.100	0.150	0.230	0.510	0.050	0.129	0.092
Isobutane	60	0	0.640	1.220	1.680	2.280	5.360	18.080	0.470	2.542	2.971
iso-Butylbenzene	60	41	0.050	0.050	0.050	0.050	0.060	0.110	0.050	0.054	0.012
Isopentane	60	0	1.100	1.860	2.650	4.200	6.920	18.290	0.800	3.655	3.344
Isoprene	60	1	0.050	0.110	0.170	0.430	0.630	0.950	0.050	0.286	0.234
iso-Propylbenzene	60	4	0.050	0.060	0.070	0.100	0.160	0.320	0.050	0.087	0.054
m and p-Xylene	60	0	1.140	1.770	2.430	3.600	7.460	23.260	0.640	3.579	3.962
Methylcyclohexane	60	0	0.100	0.190	0.260	0.380	0.740	2.260	0.100	0.373	0.389
Methylcyclopentane	60	0	0.190	0.350	0.410	0.590	1.010	5.000	0.140	0.619	0.741
n-Butylbenzene	60	12	0.050	0.050	0.060	0.090	0.120	0.270	0.050	0.079	0.045
Nonane	60	0	0.130	0.170	0.230	0.390	0.840	1.590	0.070	0.351	0.327
n-Propylbenzene	60	0	0.090	0.120	0.160	0.260	0.460	1.000	0.070	0.228	0.186
Octane	60	0	0.130	0.170	0.210	0.310	0.620	1.460	0.100	0.314	0.283
o-Xylene	60	0	0.370	0.590	0.720	1.150	2.240	5.260	0.220	1.064	0.991
p-Cymene	60	2	0.050	0.070	0.100	0.140	0.270	0.830	0.050	0.135	0.137
Pentane	60	0	0.720	1.310	1.700	2.340	4.210	10.090	0.530	2.254	1.910
Propane	60	0	1.310	2.250	2.800	3.710	8.150	14.640	0.870	3.739	2.932
Propylene	60	0	0.330	0.490	0.660	0.880	1.800	3.770	0.300	0.887	0.773
sec-Butylbenzene	60	34	0.050	0.050	0.050	0.060	0.080	0.150	0.050	0.058	0.020
Styrene	60	0	0.110	0.180	0.270	0.620	1.300	5.570	0.090	0.567	0.835
tert-Butylbenzene	60	59	0.050	0.050	0.050	0.050	0.050	0.110	0.050	0.051	0.008

Table 42: VOC Annual Statistics at Etobicoke West (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	60	0	0.210	0.390	0.630	1.040	1.900	5.750	0.180	0.920	0.925
Toluene	60	0	2.040	3.160	4.210	7.010	13.830	88.470	0.980	7.336	11.826
trans-1,2-Dichloroethylene	60	58	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003
trans-1,2-Dimethylcyclohexane	60	14	0.050	0.050	0.060	0.100	0.200	0.500	0.050	0.101	0.099
trans-1,3-Dichloropropene	60	57	0.050	0.050	0.050	0.050	0.050	0.430	0.050	0.057	0.049
trans-1,4-Dimethylcyclohexane	60	36	0.050	0.050	0.050	0.060	0.130	0.310	0.050	0.071	0.055
trans-2-Butene	60	0	0.070	0.110	0.170	0.220	0.390	1.440	0.060	0.230	0.261
trans-2-Heptene	60	43	0.050	0.050	0.050	0.050	0.060	0.120	0.050	0.053	0.012
trans-2-Hexene	60	29	0.050	0.050	0.050	0.060	0.090	0.270	0.050	0.066	0.045
trans-2-Pentene	60	0	0.060	0.110	0.140	0.220	0.390	1.130	0.050	0.206	0.210
trans-3-Heptene	60	60									
trans-3-Methyl-2-pentene	60	41	0.050	0.050	0.050	0.050	0.090	0.270	0.050	0.065	0.044
trans-4-Methyl-2-pentene	60	60									
Trichloroethylene	60	0	0.120	0.270	0.530	0.810	1.210	4.060	0.110	0.678	0.698
Undecane	60	1	0.130	0.260	0.370	0.550	0.970	2.840	0.050	0.474	0.451
Vinylchloride	60	59	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000

Notes:

-VOC sites are operated by Environment Canada.

Table 43: VOC Annual Statistics at Hamilton (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.290	0.300	0.350	0.380	0.410	0.910	0.190	0.357	0.105
1,1,2,2-Tetrachloroethane	53	7	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.056	0.009
1,1,2-Trichloroethane	53	35	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,1-Dichloroethane	53	47	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	53	3	0.050	0.060	0.060	0.070	0.080	0.080	0.050	0.064	0.010
1,2,3-Trimethylbenzene	53	0	0.100	0.170	0.200	0.320	0.450	1.220	0.080	0.268	0.192
1,2,4-Trichlorobenzene	53	53									
1,2,4-Trimethylbenzene	53	0	0.400	0.630	0.840	1.240	1.840	5.820	0.320	1.125	0.930
1,2-Dichlorobenzene	53	53									
1,2-Dichloroethane	53	0	0.060	0.070	0.080	0.090	0.100	0.120	0.060	0.080	0.016
1,2-Dichloropropane	53	35	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	53	43	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.052	0.008
1,3,5-Trimethylbenzene	53	0	0.120	0.200	0.270	0.410	0.570	1.880	0.100	0.368	0.307
1,3-Butadiene	53	0	0.090	0.120	0.150	0.220	0.310	0.720	0.080	0.188	0.111
1,3-Dichlorobenzene	53	53									
1,3-Diethylbenzene	53	4	0.050	0.060	0.070	0.100	0.140	0.280	0.050	0.083	0.042
1,4-Dichlorobenzene	53	0	0.110	0.150	0.160	0.220	0.370	0.900	0.070	0.211	0.136
1,4-Dichlorobutane	53	52	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.004
1,4-Diethylbenzene	53	0	0.100	0.160	0.190	0.280	0.370	0.860	0.090	0.233	0.137
1-Butene/Isobutene	53	0	0.380	0.480	0.580	0.830	1.290	3.250	0.320	0.760	0.515
1-Butyne	53	53									
1-Decene	51	11	0.050	0.050	0.070	0.090	0.140	0.260	0.050	0.081	0.044
1-Heptene	53	0	0.070	0.100	0.130	0.190	0.240	1.100	0.060	0.178	0.175
1-Hexene	53	0	0.140	0.180	0.220	0.240	0.330	0.630	0.130	0.233	0.091
1-Methylcyclohexene	53	12	0.050	0.050	0.050	0.060	0.070	0.120	0.050	0.058	0.015
1-Methylcyclopentene	53	1	0.050	0.060	0.070	0.080	0.130	0.370	0.050	0.087	0.058
1-Nonene	53	17	0.050	0.050	0.060	0.070	0.100	0.410	0.050	0.071	0.052
1-Octene	53	14	0.050	0.050	0.060	0.070	0.090	0.160	0.050	0.064	0.021
1-Pentene	53	0	0.110	0.120	0.180	0.240	0.350	0.720	0.100	0.209	0.122
1-Propyne	53	1	0.050	0.070	0.090	0.120	0.170	0.420	0.050	0.106	0.063
2,2,3-Trimethylbutane	53	51	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.006

Table 43: VOC Annual Statistics at Hamilton (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	53	0	0.340	0.430	0.600	0.850	1.340	8.290	0.210	0.876	1.159
2,2,5-Trimethylhexane	53	25	0.050	0.050	0.050	0.060	0.090	0.370	0.050	0.067	0.050
2,2-Dimethylbutane	53	0	0.110	0.160	0.190	0.270	0.340	0.810	0.110	0.232	0.136
2,2-Dimethylhexane	53	43	0.050	0.050	0.050	0.050	0.050	0.180	0.050	0.055	0.022
2,2-Dimethylpentane	53	10	0.050	0.050	0.060	0.090	0.130	0.430	0.050	0.082	0.061
2,2-Dimethylpropane	53	12	0.050	0.050	0.060	0.080	0.110	0.280	0.050	0.078	0.049
2,3,4-Trimethylpentane	53	0	0.110	0.170	0.210	0.310	0.470	2.580	0.070	0.310	0.377
2,3-Dimethylbutane	53	0	0.190	0.270	0.410	0.660	1.040	3.170	0.180	0.594	0.573
2,3-Dimethylpentane	53	0	0.150	0.210	0.300	0.440	0.620	3.720	0.100	0.421	0.518
2,4-Dimethylhexane	53	0	0.080	0.110	0.130	0.190	0.260	1.460	0.070	0.188	0.206
2,4-Dimethylpentane	53	0	0.090	0.120	0.160	0.230	0.360	1.830	0.070	0.229	0.262
2,5-Dimethylhexane	53	1	0.060	0.080	0.090	0.130	0.200	1.000	0.050	0.135	0.146
2-Ethyl-1-butene	53	37	0.050	0.050	0.050	0.050	0.090	0.220	0.050	0.062	0.035
2-Ethyltoluene	53	0	0.110	0.170	0.230	0.310	0.480	1.460	0.080	0.291	0.225
2-methyl-1-butene	53	0	0.110	0.160	0.200	0.330	0.580	2.830	0.090	0.322	0.393
2-Methyl-2-butene	53	0	0.180	0.250	0.350	0.540	1.010	2.160	0.160	0.494	0.402
2-Methylheptane	53	0	0.110	0.160	0.210	0.310	0.490	2.370	0.090	0.306	0.349
2-Methylhexane	53	0	0.250	0.360	0.500	0.770	1.170	5.160	0.180	0.712	0.782
2-Methylpentane	53	0	0.730	0.960	1.650	3.130	4.600	13.980	0.680	2.489	2.467
3,6-Dimethyloctane	53	33	0.050	0.050	0.050	0.050	0.100	0.320	0.050	0.065	0.044
3-Ethyltoluene	53	0	0.270	0.400	0.540	0.790	1.150	3.760	0.190	0.717	0.608
3-Methyl-1-pentene	53	28	0.050	0.050	0.050	0.060	0.080	0.170	0.050	0.059	0.021
3-Methylheptane	53	1	0.090	0.150	0.180	0.260	0.460	1.930	0.050	0.267	0.292
3-Methylhexane	53	0	0.280	0.390	0.580	0.860	1.400	6.130	0.210	0.838	0.950
3-Methylpentane	53	0	0.480	0.650	1.370	4.240	6.960	17.580	0.450	2.772	3.099
4-Ethyltoluene	53	0	0.160	0.230	0.290	0.410	0.600	1.880	0.120	0.384	0.296
4-Methyl-1-pentene	53	28	0.050	0.050	0.050	0.050	0.070	0.150	0.050	0.057	0.019
4-Methylheptane	53	3	0.050	0.070	0.090	0.120	0.190	0.890	0.050	0.122	0.131
Acetylene	53	0	0.978	1.318	2.118	2.991	4.103	9.406	0.855	2.517	1.625
Benzene	53	0	0.660	0.950	1.560	2.910	4.810	14.900	0.560	2.455	2.527
Bromodichloromethane	53	0	0.060	0.080	0.080	0.100	0.120	0.200	0.060	0.093	0.029

Table 43: VOC Annual Statistics at Hamilton (2000)

Unit: micrograms per cubic metre (µg/m³)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	53	3	0.050	0.050	0.060	0.060	0.070	0.100	0.050	0.058	0.010
Bromomethane	53	0	0.140	0.150	0.160	0.180	0.230	0.410	0.110	0.176	0.049
Butane	53	0	1.260	2.580	4.230	7.950	15.740	30.140	1.190	6.537	6.594
Carbontetrachloride	53	0	0.630	0.680	0.690	0.760	0.800	1.110	0.310	0.717	0.099
Chlorobenzene	53	52	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Chloroethane	53	0	0.060	0.080	0.080	0.100	0.110	0.130	0.060	0.086	0.017
Chloroform	53	0	0.100	0.120	0.130	0.150	0.180	0.290	0.090	0.136	0.034
Chloromethane	53	0	0.990	1.100	1.200	1.260	1.340	1.550	0.970	1.201	0.126
cis-1,2-Dichloroethylene	53	44	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	53	24	0.050	0.050	0.050	0.050	0.070	0.170	0.050	0.057	0.021
cis-1,3-Dichloropropene	53	51	0.050	0.050	0.050	0.050	0.050	3.940	0.050	0.128	0.535
cis-1,3-Dimethylcyclohexane	53	5	0.050	0.060	0.080	0.130	0.190	0.620	0.050	0.120	0.111
cis-1,4/t-1,3-Dimethylcyclohexane	53	35	0.050	0.050	0.050	0.050	0.080	0.230	0.050	0.061	0.035
cis-2-Butene	53	0	0.090	0.120	0.190	0.270	0.450	1.120	0.080	0.240	0.205
cis-2-Heptene	53	0	0.060	0.070	0.080	0.090	0.110	0.140	0.050	0.084	0.019
cis-2-Hexene	53	19	0.050	0.050	0.050	0.070	0.110	0.270	0.050	0.069	0.043
cis-2-Pentene	53	1	0.090	0.130	0.150	0.220	0.410	0.900	0.050	0.213	0.156
cis-3-Methyl-2-pentene	53	11	0.050	0.050	0.060	0.080	0.140	0.340	0.050	0.078	0.056
cis-4-Methyl-2-pentene	53	52	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Cyclohexane	53	0	0.110	0.160	0.250	0.360	0.540	2.090	0.090	0.338	0.370
Cyclohexene	53	29	0.050	0.050	0.050	0.050	0.070	0.100	0.050	0.054	0.009
Cyclopentane	53	0	0.150	0.200	0.300	0.440	0.660	2.400	0.110	0.406	0.396
Cyclopentene	53	13	0.050	0.050	0.060	0.070	0.120	0.230	0.050	0.071	0.037
Decane	53	0	0.170	0.290	0.390	0.530	0.890	7.700	0.110	0.625	1.043
Dibromochloromethane	53	1	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.059	0.009
Dibromomethane	53	1	0.080	0.090	0.100	0.100	0.110	0.130	0.050	0.097	0.013
Dichloromethane	53	0	0.260	0.380	0.530	0.860	1.060	5.780	0.250	0.727	0.802
Dodecane	53	0	0.090	0.150	0.200	0.240	0.350	1.130	0.080	0.229	0.171
EDB	53	4	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.058	0.009
Ethane	53	0	1.795	2.598	3.702	4.972	6.058	11.982	1.434	4.148	2.267
Ethylbenzene	53	0	0.390	0.570	0.880	1.440	2.160	7.590	0.270	1.252	1.174

Table 43: VOC Annual Statistics at Hamilton (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	53	53									
Ethylene	53	0	1.070	1.657	2.161	3.285	4.803	10.159	0.966	2.736	1.744
Freon11	53	0	1.670	1.780	1.870	2.010	2.100	3.910	1.500	1.971	0.411
Freon114	53	0	0.200	0.220	0.230	0.250	0.270	0.290	0.190	0.235	0.023
Freon12	53	0	2.590	2.780	2.910	3.040	3.290	6.440	2.300	3.013	0.584
Freon22	53	0	0.650	0.930	1.170	1.630	2.010	4.040	0.530	1.360	0.688
Heptane	53	0	0.260	0.350	0.510	0.740	1.030	5.490	0.210	0.719	0.825
Hexachlorobutadiene	53	53									
Hexane	53	0	0.570	0.760	2.200	8.930	12.670	32.390	0.480	4.989	6.113
Hexylbenzene	41	15	0.050	0.050	0.050	0.120	0.730	0.860	0.050	0.156	0.233
Indane	53	0	0.060	0.100	0.120	0.200	0.250	0.610	0.060	0.159	0.105
Isobutane	53	0	0.650	1.200	1.800	3.690	7.170	16.400	0.620	2.981	3.094
iso-Butylbenzene	53	36	0.050	0.050	0.050	0.050	0.060	0.140	0.050	0.054	0.013
Isopentane	53	0	1.920	2.380	4.060	6.180	10.970	20.900	1.740	5.437	4.369
Isoprene	53	0	0.080	0.130	0.150	0.250	0.370	0.660	0.060	0.204	0.121
iso-Propylbenzene	53	1	0.050	0.070	0.090	0.120	0.150	0.380	0.050	0.099	0.056
m and p-Xylene	53	0	0.940	1.590	2.420	4.370	6.520	22.530	0.680	3.663	3.609
Methylcyclohexane	53	0	0.120	0.180	0.250	0.390	0.670	2.860	0.100	0.382	0.445
Methylcyclopentane	53	0	0.290	0.410	0.690	1.590	2.900	5.630	0.290	1.194	1.200
n-Butylbenzene	53	6	0.050	0.050	0.060	0.090	0.110	0.250	0.050	0.076	0.037
Nonane	53	0	0.130	0.200	0.270	0.350	0.660	2.410	0.100	0.395	0.404
n-Propylbenzene	53	0	0.110	0.160	0.200	0.280	0.420	1.320	0.080	0.261	0.205
Octane	53	0	0.120	0.180	0.250	0.370	0.540	2.360	0.100	0.349	0.366
o-Xylene	53	0	0.340	0.510	0.750	1.320	1.820	5.990	0.240	1.055	0.937
p-Cymene	53	2	0.050	0.070	0.110	0.150	0.190	0.520	0.050	0.122	0.078
Pentane	53	0	1.120	1.490	2.280	3.350	5.430	13.610	0.990	3.033	2.456
Propane	53	0	1.430	2.250	3.090	4.280	6.210	14.620	1.220	3.642	2.347
Propylene	53	0	0.430	0.560	0.690	1.110	1.480	3.690	0.350	0.921	0.634
sec-Butylbenzene	53	29	0.050	0.050	0.050	0.060	0.100	0.210	0.050	0.067	0.038
Styrene	53	0	0.080	0.140	0.200	0.280	0.450	1.370	0.060	0.251	0.204
tert-Butylbenzene	53	52	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001

Table 43: VOC Annual Statistics at Hamilton (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	53	0	0.200	0.330	0.520	1.080	2.200	5.040	0.130	0.971	1.010
Toluene	53	0	1.620	2.860	4.330	6.970	10.610	44.940	1.400	6.048	6.518
trans-1,2-Dichloroethylene	53	53									
trans-1,2-Dimethylcyclohexane	53	16	0.050	0.050	0.060	0.090	0.140	0.430	0.050	0.092	0.080
trans-1,3-Dichloropropene	53	50	0.050	0.050	0.050	0.050	0.050	3.330	0.050	0.116	0.451
trans-1,4-Dimethylcyclohexane	53	32	0.050	0.050	0.050	0.060	0.080	0.230	0.050	0.064	0.039
trans-2-Butene	53	0	0.100	0.140	0.200	0.290	0.520	1.290	0.080	0.262	0.237
trans-2-Heptene	53	35	0.050	0.050	0.050	0.050	0.060	0.110	0.050	0.053	0.012
trans-2-Hexene	53	16	0.050	0.050	0.060	0.070	0.140	0.330	0.050	0.077	0.054
trans-2-Pentene	53	0	0.100	0.140	0.220	0.290	0.600	1.330	0.080	0.281	0.237
trans-3-Heptene	53	53									
trans-3-Methyl-2-pentene	53	24	0.050	0.050	0.050	0.060	0.120	0.290	0.050	0.070	0.048
trans-4-Methyl-2-pentene	53	52	0.050	0.050	0.050	0.050	0.050	0.130	0.050	0.052	0.011
Trichloroethylene	53	0	0.110	0.170	0.240	0.300	0.530	1.240	0.100	0.289	0.223
Undecane	53	0	0.140	0.240	0.330	0.480	0.800	5.300	0.090	0.499	0.726
Vinylchloride	53	49	0.050	0.050	0.050	0.050	0.050	0.110	0.050	0.052	0.009

Notes:

- VOC sites are operated by Environment Canada

Table 44: VOC Annual Statistics at Kingston (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.290	0.330	0.380	0.420	0.500	0.980	0.260	0.394	0.108
1,1,2,2-Tetrachloroethane	50	10	0.050	0.050	0.060	0.060	0.070	0.090	0.050	0.058	0.011
1,1,2-Trichloroethane	50	30	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.051	0.005
1,1-Dichloroethane	50	43	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethylene	50	5	0.050	0.050	0.060	0.070	0.080	0.090	0.050	0.064	0.011
1,2,3-Trimethylbenzene	50	1	0.100	0.170	0.260	0.370	0.570	2.990	0.050	0.368	0.478
1,2,4-Trichlorobenzene	50	50									
1,2,4-Trimethylbenzene	50	0	0.360	0.610	1.010	1.430	2.180	11.940	0.100	1.434	1.943
1,2-Dichlorobenzene	50	50									
1,2-Dichloroethane	50	0	0.060	0.070	0.080	0.090	0.100	0.140	0.060	0.083	0.014
1,2-Dichloropropane	50	36	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,2-Diethylbenzene	50	30	0.050	0.050	0.050	0.050	0.060	0.220	0.050	0.057	0.027
1,3,5-Trimethylbenzene	50	1	0.100	0.170	0.330	0.430	0.670	3.580	0.050	0.435	0.582
1,3-Butadiene	50	1	0.050	0.080	0.100	0.140	0.250	0.700	0.050	0.137	0.112
1,3-Dichlorobenzene	50	50									
1,3-Diethylbenzene	50	8	0.050	0.050	0.080	0.100	0.160	0.840	0.050	0.108	0.127
1,4-Dichlorobenzene	50	0	0.070	0.100	0.130	0.160	0.230	0.460	0.060	0.147	0.071
1,4-Dichlorobutane	50	50									
1,4-Diethylbenzene	50	1	0.090	0.140	0.250	0.340	0.520	3.060	0.050	0.340	0.474
1-Butene/Isobutene	50	0	0.410	0.470	0.660	0.820	1.250	2.980	0.380	0.778	0.493
1-Butyne	50	50									
1-Decene	50	16	0.050	0.050	0.070	0.110	0.230	0.400	0.050	0.103	0.077
1-Heptene	50	1	0.070	0.110	0.150	0.210	0.320	2.490	0.050	0.223	0.348
1-Hexene	50	0	0.130	0.190	0.250	0.310	0.410	1.990	0.090	0.296	0.265
1-Methylcyclohexene	50	9	0.050	0.050	0.060	0.090	0.100	0.380	0.050	0.076	0.050
1-Methylcyclopentene	50	2	0.050	0.070	0.120	0.180	0.250	1.820	0.050	0.174	0.257
1-Nonene	50	22	0.050	0.050	0.050	0.060	0.090	0.210	0.050	0.062	0.027
1-Octene	50	27	0.050	0.050	0.050	0.060	0.070	0.110	0.050	0.055	0.011
1-Pentene	50	0	0.110	0.150	0.210	0.290	0.410	2.220	0.080	0.281	0.311
1-Propyne	50	21	0.050	0.050	0.050	0.080	0.110	0.360	0.050	0.075	0.052
2,2,3-Trimethylbutane	50	49	0.050	0.050	0.050	0.050	0.050	0.240	0.050	0.054	0.027

Table 44: VOC Annual Statistics at Kingston (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	50	0	0.170	0.310	0.420	0.650	1.050	11.710	0.100	0.797	1.654
2,2,5-Trimethylhexane	50	30	0.050	0.050	0.050	0.060	0.090	0.730	0.050	0.078	0.105
2,2-Dimethylbutane	50	0	0.130	0.180	0.220	0.290	0.360	3.050	0.110	0.298	0.413
2,2-Dimethylhexane	50	43	0.050	0.050	0.050	0.050	0.050	0.320	0.050	0.057	0.039
2,2-Dimethylpentane	50	16	0.050	0.050	0.050	0.070	0.100	0.820	0.050	0.079	0.110
2,2-Dimethylpropane	50	19	0.050	0.050	0.050	0.060	0.070	0.150	0.050	0.058	0.017
2,3,4-Trimethylpentane	50	1	0.070	0.140	0.180	0.270	0.440	4.680	0.050	0.341	0.677
2,3-Dimethylbutane	50	0	0.160	0.290	0.380	0.480	0.880	8.170	0.130	0.598	1.134
2,3-Dimethylpentane	50	0	0.110	0.160	0.220	0.320	0.440	4.270	0.090	0.352	0.595
2,4-Dimethylhexane	50	1	0.060	0.090	0.120	0.170	0.260	2.290	0.050	0.193	0.324
2,4-Dimethylpentane	50	0	0.060	0.110	0.140	0.220	0.320	3.370	0.060	0.243	0.469
2,5-Dimethylhexane	50	2	0.050	0.080	0.100	0.140	0.210	1.960	0.050	0.163	0.279
2-Ethyl-1-butene	50	17	0.050	0.050	0.060	0.100	0.160	1.360	0.050	0.110	0.190
2-Ethyltoluene	50	0	0.090	0.150	0.250	0.350	0.520	2.590	0.050	0.336	0.430
2-methyl-1-butene	50	0	0.130	0.210	0.370	0.550	1.300	5.700	0.120	0.553	0.818
2-Methyl-2-butene	50	0	0.180	0.330	0.520	0.990	1.420	9.340	0.140	0.893	1.357
2-Methylheptane	50	0	0.110	0.160	0.220	0.400	0.510	3.070	0.070	0.353	0.449
2-Methylhexane	50	0	0.200	0.310	0.510	0.740	1.180	8.990	0.170	0.749	1.254
2-Methylpentane	50	0	0.620	1.070	1.450	1.960	3.090	24.850	0.490	2.092	3.419
3,6-Dimethyloctane	50	13	0.050	0.050	0.070	0.110	0.160	0.320	0.050	0.091	0.059
3-Ethyltoluene	50	0	0.220	0.350	0.640	0.830	1.290	6.520	0.080	0.850	1.116
3-Methyl-1-pentene	50	21	0.050	0.050	0.050	0.060	0.100	0.590	0.050	0.072	0.078
3-Methylheptane	50	0	0.100	0.150	0.230	0.380	0.530	3.590	0.060	0.360	0.529
3-Methylhexane	50	0	0.250	0.370	0.560	0.790	1.230	9.840	0.160	0.827	1.376
3-Methylpentane	50	0	0.420	0.660	0.890	1.270	1.650	15.550	0.390	1.311	2.136
4-Ethyltoluene	50	0	0.140	0.220	0.360	0.500	0.700	2.960	0.060	0.456	0.508
4-Methyl-1-pentene	50	23	0.050	0.050	0.050	0.060	0.100	0.450	0.050	0.068	0.058
4-Methylheptane	50	3	0.050	0.060	0.100	0.150	0.210	1.340	0.050	0.146	0.196
Acetylene	50	0	0.685	0.909	1.369	2.096	3.001	6.370	0.555	1.708	1.173
Benzene	50	0	0.520	0.840	1.120	1.400	2.230	5.510	0.510	1.299	0.856
Bromodichloromethane	50	2	0.060	0.090	0.120	0.140	0.160	0.220	0.050	0.118	0.039

Table 44: VOC Annual Statistics at Kingston (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	50	10	0.050	0.050	0.060	0.060	0.070	0.090	0.050	0.058	0.009
Bromomethane	50	0	0.080	0.130	0.140	0.160	0.170	0.190	0.070	0.141	0.026
Butane	50	0	1.520	2.540	3.730	5.240	8.590	20.030	1.300	4.546	3.411
Carbontetrachloride	50	0	0.620	0.680	0.700	0.780	0.800	0.830	0.530	0.714	0.064
Chlorobenzene	50	17	0.050	0.050	0.050	0.050	0.060	0.150	0.050	0.054	0.015
Chloroethane	50	1	0.050	0.060	0.070	0.080	0.100	0.120	0.050	0.074	0.018
Chloroform	50	0	0.090	0.120	0.140	0.180	0.230	0.250	0.090	0.151	0.043
Chloromethane	50	0	0.950	1.020	1.130	1.210	1.320	1.450	0.870	1.128	0.127
cis-1,2-Dichloroethylene	50	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
cis-1,2-Dimethylcyclohexane	50	19	0.050	0.050	0.050	0.080	0.090	0.200	0.050	0.067	0.030
cis-1,3-Dichloropropene	50	50									
cis-1,3-Dimethylcyclohexane	50	4	0.050	0.060	0.090	0.180	0.210	0.630	0.050	0.131	0.103
cis-1,4/t-1,3-Dimethylcyclohexane	50	20	0.050	0.050	0.050	0.100	0.120	0.370	0.050	0.080	0.055
cis-2-Butene	50	0	0.100	0.190	0.270	0.360	0.510	1.930	0.080	0.335	0.308
cis-2-Heptene	50	11	0.050	0.050	0.060	0.080	0.110	0.480	0.050	0.077	0.063
cis-2-Hexene	50	10	0.050	0.060	0.080	0.130	0.210	1.580	0.050	0.136	0.222
cis-2-Octene	4	4									
cis-2-Pentene	50	0	0.110	0.160	0.260	0.400	0.590	3.530	0.090	0.382	0.510
cis-3-Methyl-2-pentene	50	5	0.050	0.060	0.100	0.150	0.240	1.940	0.050	0.157	0.272
cis-4-Methyl-2-pentene	50	46	0.050	0.050	0.050	0.050	0.050	0.160	0.050	0.057	0.024
Cyclohexane	50	0	0.110	0.190	0.250	0.330	0.470	3.760	0.100	0.340	0.514
Cyclohexene	50	19	0.050	0.050	0.050	0.060	0.080	0.330	0.050	0.064	0.041
Cyclopentane	50	0	0.140	0.240	0.330	0.480	0.700	5.390	0.120	0.495	0.752
Cyclopentene	50	4	0.050	0.060	0.080	0.120	0.180	0.610	0.050	0.106	0.091
Decane	50	0	0.210	0.390	0.590	1.110	2.050	2.370	0.130	0.867	0.633
Dibromochloromethane	50	6	0.050	0.050	0.070	0.070	0.080	0.100	0.050	0.065	0.013
Dibromomethane	50	3	0.050	0.090	0.100	0.110	0.120	0.140	0.050	0.100	0.020
Dichloromethane	50	0	0.440	1.860	3.200	6.270	13.710	56.100	0.290	6.080	9.153
Dodecane	50	1	0.120	0.210	0.330	0.460	0.730	3.480	0.050	0.445	0.505
EDB	50	10	0.050	0.050	0.060	0.060	0.070	0.090	0.050	0.060	0.010
Ethane	50	0	1.200	1.784	2.639	4.264	6.192	8.230	1.110	3.148	1.732

Table 44: VOC Annual Statistics at Kingston (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbenzene	50	0	0.370	0.500	0.750	1.210	1.930	6.670	0.190	1.105	1.180
Ethylbromide	50	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	50	0	0.553	0.681	1.151	1.619	2.436	6.289	0.503	1.379	1.083
Freon11	50	0	1.610	1.750	1.840	2.030	2.230	2.380	1.560	1.902	0.205
Freon114	50	0	0.160	0.210	0.230	0.250	0.280	0.320	0.150	0.230	0.037
Freon12	50	0	2.410	2.710	2.890	3.140	3.440	3.710	2.280	2.937	0.335
Freon22	49	0	0.620	0.690	0.920	1.970	3.040	19.550	0.550	1.761	2.800
Heptane	50	0	0.220	0.330	0.450	0.630	0.880	5.690	0.200	0.623	0.791
Hexachlorobutadiene	50	50									
Hexane	50	0	0.690	1.330	2.220	3.250	6.010	15.370	0.510	2.935	2.692
Hexylbenzene	41	21	0.050	0.050	0.050	0.120	0.160	0.820	0.050	0.114	0.162
Indane	50	1	0.060	0.100	0.160	0.230	0.350	1.640	0.050	0.220	0.266
Isobutane	50	0	0.610	0.920	1.480	2.150	2.600	8.120	0.470	1.741	1.278
iso-Butylbenzene	50	26	0.050	0.050	0.050	0.060	0.070	0.290	0.050	0.062	0.039
Isopentane	50	0	1.760	2.740	3.870	5.470	6.490	48.360	1.360	5.066	6.707
Isoprene	50	2	0.060	0.080	0.150	0.260	0.650	1.010	0.050	0.229	0.222
iso-Propylbenzene	50	4	0.050	0.060	0.080	0.120	0.170	0.620	0.050	0.107	0.104
m and p-Xylene	50	0	1.030	1.370	2.350	3.790	5.660	20.220	0.410	3.316	3.649
Methylcyclohexane	50	0	0.100	0.170	0.220	0.370	0.480	3.440	0.100	0.345	0.482
Methylcyclopentane	50	0	0.320	0.520	0.840	1.130	2.000	13.270	0.260	1.195	1.833
n-Butylbenzene	50	6	0.050	0.060	0.090	0.130	0.190	0.900	0.050	0.123	0.137
Nonane	50	0	0.160	0.260	0.480	0.730	1.210	1.620	0.090	0.557	0.396
n-Propylbenzene	50	0	0.100	0.150	0.250	0.350	0.530	2.370	0.060	0.335	0.404
Octane	50	0	0.130	0.180	0.270	0.420	0.520	2.230	0.100	0.363	0.347
o-Xylene	50	0	0.340	0.490	0.770	1.260	1.910	7.620	0.160	1.154	1.342
p-Cymene	50	2	0.060	0.090	0.160	0.240	0.290	0.770	0.050	0.175	0.120
Pentane	50	0	1.010	1.660	2.320	3.130	4.370	28.170	0.830	3.121	3.911
Propane	50	0	1.080	1.840	3.180	4.990	9.210	40.110	0.120	4.739	6.168
Propylene	50	0	0.190	0.290	0.400	0.580	0.930	2.880	0.150	0.533	0.461
sec-Butylbenzene	50	25	0.050	0.050	0.050	0.060	0.080	0.320	0.050	0.065	0.043
Styrene	50	1	0.110	0.170	0.260	0.360	0.520	0.930	0.050	0.296	0.188

Table 44: VOC Annual Statistics at Kingston (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
tert-Butylbenzene	50	48	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Tetrachloroethylene	50	0	0.290	0.390	0.570	0.800	1.020	1.750	0.230	0.638	0.294
Toluene	50	0	1.480	2.600	3.910	6.030	10.700	33.580	0.960	5.455	5.634
trans-1,2-Dichloroethylene	50	50									
trans-1,2-Dimethylcyclohexane	50	17	0.050	0.050	0.060	0.120	0.160	0.390	0.050	0.093	0.065
trans-1,3-Dichloropropene	50	50									
trans-1,4-Dimethylcyclohexane	50	21	0.050	0.050	0.050	0.090	0.110	0.340	0.050	0.075	0.049
trans-2-Butene	50	0	0.120	0.220	0.310	0.460	0.620	2.010	0.080	0.393	0.343
trans-2-Heptene	50	18	0.050	0.050	0.050	0.080	0.100	0.620	0.050	0.079	0.084
trans-2-Hexene	50	5	0.050	0.060	0.100	0.160	0.240	1.890	0.050	0.160	0.267
trans-2-Pentene	50	0	0.100	0.220	0.360	0.630	0.900	5.490	0.090	0.562	0.801
trans-3-Heptene	50	47	0.050	0.050	0.050	0.050	0.050	0.320	0.050	0.057	0.039
trans-3-Methyl-2-pentene	50	10	0.050	0.050	0.090	0.130	0.190	1.740	0.050	0.137	0.243
trans-4-Methyl-2-pentene	50	48	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Trichloroethylene	50	2	0.050	0.070	0.080	0.100	0.120	0.180	0.050	0.087	0.025
Undecane	50	0	0.200	0.340	0.550	1.020	1.650	2.610	0.100	0.772	0.576
Vinylchloride	50	50									

Notes:

-VOC sites are operated by Environment Canada.

Table 45: VOC Annual Statistics at Kitchener (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.270	0.310	0.360	0.410	0.440	2.200	0.260	0.422	0.353
1,1,2,2-Tetrachloroethane	28	7	0.050	0.050	0.060	0.060	0.070	0.070	0.050	0.057	0.007
1,1,2-Trichloroethane	28	13	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
1,1-Dichloroethane	28	21	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,1-Dichloroethylene	28	2	0.050	0.060	0.070	0.080	0.080	0.090	0.050	0.069	0.010
1,2,3-Trimethylbenzene	28	0	0.090	0.120	0.210	0.310	0.660	1.110	0.070	0.263	0.228
1,2,4-Trichlorobenzene	28	28									
1,2,4-Trimethylbenzene	28	0	0.390	0.460	0.830	1.170	2.730	3.980	0.270	1.078	0.918
1,2-Dichlorobenzene	28	28									
1,2-Dichloroethane	28	0	0.070	0.080	0.090	0.100	0.110	0.110	0.070	0.088	0.012
1,2-Dichloropropane	28	13	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Diethylbenzene	28	22	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.052	0.008
1,3,5-Trimethylbenzene	28	0	0.120	0.160	0.260	0.380	0.820	1.310	0.090	0.348	0.294
1,3-Butadiene	28	0	0.080	0.110	0.170	0.240	0.440	0.980	0.070	0.230	0.208
1,3-Dichlorobenzene	28	28									
1,3-Diethylbenzene	28	6	0.050	0.050	0.060	0.090	0.170	0.300	0.050	0.081	0.056
1,4-Dichlorobenzene	28	0	0.060	0.120	0.180	0.310	0.530	0.670	0.050	0.228	0.161
1,4-Dichlorobutane	28	28									
1,4-Diethylbenzene	28	0	0.080	0.130	0.160	0.250	0.570	0.820	0.060	0.221	0.174
1-Butene/Isobutene	28	0	0.330	0.490	0.570	0.890	1.610	3.330	0.310	0.849	0.728
1-Butyne	28	27	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Decene	28	5	0.050	0.050	0.070	0.090	0.160	0.250	0.050	0.084	0.044
1-Heptene	28	0	0.070	0.100	0.130	0.180	0.380	0.580	0.070	0.180	0.136
1-Hexene	28	0	0.120	0.170	0.220	0.260	0.530	0.640	0.110	0.255	0.142
1-Methylcyclohexene	28	7	0.050	0.050	0.050	0.070	0.120	0.130	0.050	0.062	0.023
1-Methylcyclopentene	28	6	0.050	0.050	0.060	0.100	0.170	0.420	0.050	0.099	0.094
1-Nonene	28	10	0.050	0.050	0.060	0.070	0.090	0.160	0.050	0.067	0.028
1-Octene	28	11	0.050	0.050	0.050	0.070	0.100	0.180	0.050	0.064	0.029
1-Pentene	28	0	0.090	0.110	0.140	0.190	0.480	0.700	0.080	0.193	0.151
1-Propyne	28	1	0.050	0.070	0.100	0.140	0.240	0.460	0.050	0.130	0.101
2,2,3-Trimethylbutane	28	26	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002

Table 45: VOC Annual Statistics at Kitchener (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	28	0	0.230	0.400	0.530	0.820	2.240	2.810	0.220	0.764	0.691
2,2,5-Trimethylhexane	28	18	0.050	0.050	0.050	0.060	0.140	0.160	0.050	0.064	0.033
2,2-Dimethylbutane	28	0	0.130	0.170	0.190	0.270	0.540	0.770	0.120	0.259	0.167
2,2-Dimethylhexane	28	24	0.050	0.050	0.050	0.050	0.090	0.100	0.050	0.055	0.014
2,2-Dimethylpentane	28	6	0.050	0.050	0.060	0.080	0.120	0.240	0.050	0.076	0.046
2,2-Dimethylpropane	28	6	0.050	0.050	0.060	0.070	0.130	0.150	0.050	0.069	0.028
2,3,4-Trimethylpentane	28	0	0.090	0.150	0.180	0.290	0.800	1.010	0.090	0.279	0.253
2,3-Dimethylbutane	28	0	0.180	0.260	0.330	0.440	1.160	2.060	0.170	0.489	0.467
2,3-Dimethylpentane	28	0	0.140	0.190	0.240	0.380	1.070	1.130	0.140	0.354	0.287
2,4-Dimethylhexane	28	0	0.060	0.100	0.120	0.180	0.520	0.600	0.060	0.172	0.143
2,4-Dimethylpentane	28	0	0.080	0.100	0.140	0.200	0.440	0.750	0.070	0.201	0.169
2,5-Dimethylhexane	28	3	0.050	0.060	0.090	0.120	0.350	0.430	0.050	0.123	0.103
2-Ethyl-1-butene	28	21	0.050	0.050	0.050	0.050	0.100	0.230	0.050	0.066	0.045
2-Ethyltoluene	28	0	0.110	0.130	0.220	0.320	0.630	1.050	0.090	0.276	0.225
2-methyl-1-butene	28	0	0.090	0.130	0.180	0.270	0.810	1.170	0.080	0.280	0.288
2-Methyl-2-butene	28	0	0.130	0.180	0.230	0.410	0.960	2.250	0.120	0.407	0.468
2-Methylheptane	28	0	0.100	0.140	0.190	0.260	0.680	0.940	0.100	0.263	0.219
2-Methylhexane	28	0	0.230	0.300	0.440	0.600	1.780	2.210	0.200	0.608	0.545
2-Methylpentane	28	0	0.620	0.940	1.390	1.730	4.360	8.750	0.600	1.923	1.906
3,6-Dimethyloctane	28	22	0.050	0.050	0.050	0.050	0.090	0.200	0.050	0.062	0.033
3-Ethyltoluene	28	0	0.230	0.300	0.530	0.760	1.580	2.670	0.200	0.691	0.612
3-Methyl-1-pentene	28	18	0.050	0.050	0.050	0.050	0.100	0.130	0.050	0.060	0.022
3-Methylheptane	28	0	0.080	0.120	0.180	0.250	0.730	0.910	0.080	0.249	0.230
3-Methylhexane	28	0	0.240	0.360	0.500	0.690	1.960	2.560	0.230	0.686	0.611
3-Methylpentane	28	0	0.400	0.620	0.760	1.130	2.560	4.940	0.390	1.157	1.152
4-Ethyltoluene	28	0	0.150	0.180	0.290	0.430	0.840	1.390	0.130	0.372	0.296
4-Methyl-1-pentene	28	18	0.050	0.050	0.050	0.050	0.090	0.150	0.050	0.057	0.022
4-Methylheptane	28	5	0.050	0.050	0.080	0.110	0.230	0.390	0.050	0.107	0.089
Acetylene	28	0	1.195	2.201	2.766	4.255	7.457	10.357	0.972	3.445	2.215
Benzene	28	0	0.660	1.040	1.340	1.650	2.890	4.890	0.550	1.581	1.053
Bromodichloromethane	28	0	0.060	0.070	0.080	0.110	0.140	0.180	0.050	0.092	0.033

Table 45: VOC Annual Statistics at Kitchener (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	28	3	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.059	0.008
Bromomethane	28	0	0.120	0.140	0.150	0.160	0.190	0.200	0.120	0.153	0.020
Butane	28	0	1.370	3.470	4.690	6.070	22.250	27.150	1.290	6.538	6.743
Carbontetrachloride	28	0	0.590	0.670	0.750	0.800	0.900	1.060	0.510	0.753	0.114
Chlorobenzene	28	5	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Chloroethane	28	0	0.070	0.080	0.080	0.100	0.150	0.190	0.060	0.094	0.031
Chloroform	28	0	0.100	0.100	0.110	0.120	0.180	0.220	0.080	0.119	0.030
Chloromethane	28	0	1.060	1.150	1.270	1.330	1.420	1.460	1.060	1.253	0.117
cis-1,2-Dichloroethylene	28	25	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	28	19	0.050	0.050	0.050	0.050	0.090	0.100	0.050	0.056	0.015
cis-1,3-Dichloropropene	28	28									
cis-1,3-Dimethylcyclohexane	28	7	0.050	0.050	0.070	0.090	0.230	0.340	0.050	0.092	0.069
cis-1,4/t-1,3-Dimethylcyclohexane	28	22	0.050	0.050	0.050	0.050	0.110	0.140	0.050	0.058	0.023
cis-2-Butene	28	0	0.090	0.120	0.150	0.250	0.630	1.270	0.080	0.246	0.262
cis-2-Heptene	28	12	0.050	0.050	0.050	0.060	0.100	0.150	0.050	0.063	0.024
cis-2-Hexene	28	16	0.050	0.050	0.050	0.070	0.150	0.270	0.050	0.074	0.055
cis-2-Pentene	28	0	0.080	0.100	0.120	0.170	0.450	0.780	0.080	0.182	0.160
cis-3-Methyl-2-pentene	28	14	0.050	0.050	0.050	0.070	0.180	0.340	0.050	0.082	0.068
cis-4-Methyl-2-pentene	28	27	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Cyclohexane	28	0	0.080	0.160	0.200	0.360	0.460	1.750	0.070	0.316	0.350
Cyclohexene	28	17	0.050	0.050	0.050	0.050	0.090	0.100	0.050	0.057	0.015
Cyclopentane	28	0	0.150	0.220	0.280	0.310	1.620	1.970	0.130	0.455	0.495
Cyclopentene	28	10	0.050	0.050	0.060	0.080	0.160	0.330	0.050	0.083	0.067
Decane	28	0	0.140	0.230	0.350	0.630	1.360	2.510	0.140	0.517	0.533
Dibromochloromethane	28	3	0.050	0.050	0.060	0.070	0.070	0.110	0.050	0.061	0.013
Dibromomethane	28	0	0.080	0.100	0.100	0.110	0.120	0.140	0.080	0.103	0.015
Dichloromethane	28	0	0.250	0.420	0.550	0.920	2.580	3.560	0.240	0.865	0.819
Dodecane	28	1	0.050	0.090	0.110	0.170	0.310	0.670	0.050	0.158	0.144
EDB	28	4	0.050	0.050	0.060	0.060	0.070	0.110	0.050	0.060	0.012
Ethane	28	0	2.372	3.178	3.928	5.546	6.719	8.527	2.152	4.396	1.676
Ethylbenzene	28	0	0.340	0.420	0.720	1.030	1.910	4.060	0.320	0.973	0.929

Table 45: VOC Annual Statistics at Kitchener (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	28	28									
Ethylene	28	0	0.769	1.688	2.311	3.763	6.255	11.348	0.766	3.116	2.606
Freon11	28	0	1.660	1.730	1.900	2.110	2.200	2.880	1.450	1.923	0.277
Freon114	28	0	0.220	0.230	0.240	0.260	0.280	0.310	0.200	0.244	0.026
Freon12	28	0	2.470	2.740	2.830	3.170	4.110	6.380	2.420	3.164	0.942
Freon22	28	0	0.570	0.600	0.670	0.770	1.330	2.190	0.530	0.777	0.348
Heptane	28	0	0.250	0.330	0.440	0.620	1.450	2.130	0.220	0.594	0.486
Hexachlorobutadiene	28	28									
Hexane	28	0	0.440	0.740	0.910	1.340	2.540	5.490	0.380	1.248	1.114
Hexylbenzene	25	15	0.050	0.050	0.050	0.070	0.110	0.160	0.050	0.068	0.031
Indane	28	0	0.060	0.080	0.110	0.170	0.340	0.550	0.050	0.148	0.116
Isobutane	28	0	0.720	1.550	2.110	2.820	7.980	13.450	0.650	2.826	2.797
iso-Butylbenzene	28	21	0.050	0.050	0.050	0.050	0.070	0.110	0.050	0.054	0.013
Isopentane	28	0	1.550	2.370	2.960	4.040	13.000	25.970	1.450	4.899	5.624
Isoprene	28	0	0.060	0.080	0.090	0.150	0.280	0.590	0.050	0.146	0.134
iso-Propylbenzene	28	5	0.050	0.050	0.060	0.100	0.150	0.290	0.050	0.086	0.057
m and p-Xylene	28	0	0.830	1.150	1.920	2.560	5.690	11.700	0.800	2.678	2.694
Methylcyclohexane	28	0	0.090	0.170	0.210	0.340	0.730	1.220	0.090	0.306	0.257
Methylcyclopentane	28	0	0.220	0.390	0.450	0.750	1.340	3.190	0.200	0.675	0.665
n-Butylbenzene	28	8	0.050	0.050	0.050	0.080	0.180	0.240	0.050	0.075	0.048
Nonane	28	0	0.110	0.180	0.210	0.340	0.870	1.230	0.110	0.320	0.287
n-Propylbenzene	28	0	0.090	0.120	0.190	0.270	0.530	0.900	0.090	0.244	0.198
Octane	28	0	0.110	0.160	0.200	0.260	0.720	0.970	0.100	0.271	0.222
o-Xylene	28	0	0.290	0.410	0.690	0.900	1.740	3.780	0.280	0.890	0.826
p-Cymene	28	3	0.050	0.060	0.080	0.110	0.190	0.550	0.050	0.104	0.098
Pentane	28	0	1.160	1.480	1.980	2.480	8.520	11.960	0.920	2.961	2.896
Propane	28	0	1.370	2.490	3.480	4.770	7.060	14.450	1.000	3.969	2.604
Propylene	28	0	0.350	0.510	0.810	1.040	2.280	4.740	0.280	1.070	1.000
sec-Butylbenzene	28	19	0.050	0.050	0.050	0.050	0.100	0.130	0.050	0.057	0.020
Styrene	28	0	0.080	0.110	0.150	0.280	0.410	0.870	0.060	0.213	0.180
tert-Butylbenzene	28	28									

Table 45: VOC Annual Statistics at Kitchener (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	28	0	0.140	0.160	0.270	0.450	1.190	1.470	0.120	0.404	0.361
Toluene	28	0	1.410	2.040	3.330	5.840	18.020	21.230	1.340	5.241	5.484
trans-1,2-Dichloroethylene	28	27	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	28	14	0.050	0.050	0.050	0.070	0.160	0.240	0.050	0.072	0.046
trans-1,3-Dichloropropene	28	28									
trans-1,4-Dimethylcyclohexane	28	21	0.050	0.050	0.050	0.050	0.100	0.140	0.050	0.058	0.022
trans-2-Butene	28	0	0.090	0.130	0.150	0.280	0.710	1.570	0.080	0.282	0.322
trans-2-Heptene	28	18	0.050	0.050	0.050	0.060	0.100	0.110	0.050	0.058	0.018
trans-2-Hexene	28	14	0.050	0.050	0.050	0.070	0.150	0.290	0.050	0.079	0.063
trans-2-Pentene	28	0	0.080	0.110	0.130	0.220	0.650	1.210	0.070	0.233	0.259
trans-3-Heptene	28	27	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-3-Methyl-2-pentene	28	17	0.050	0.050	0.050	0.060	0.170	0.300	0.050	0.076	0.063
trans-4-Methyl-2-pentene	28	28									
Trichloroethylene	28	0	0.070	0.110	0.190	0.320	0.470	1.690	0.060	0.292	0.358
Undecane	28	0	0.110	0.170	0.220	0.290	1.000	1.610	0.110	0.360	0.395
Vinylchloride	28	27	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000

Notes:

-VOC sites are operated by Environment Canada

Table 46: VOC Annual Statistics at London (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.260	0.300	0.310	0.350	0.380	0.390	0.250	0.324	0.037
1,1,2,2-Tetrachloroethane	55	8	0.050	0.050	0.050	0.060	0.070	0.100	0.050	0.057	0.011
1,1,2-Trichloroethane	55	29	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.051	0.004
1,1-Dichloroethane	55	48	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1,1-Dichloroethylene	55	7	0.050	0.050	0.060	0.070	0.080	0.090	0.050	0.063	0.012
1,2,3-Trimethylbenzene	55	0	0.080	0.110	0.140	0.220	0.300	0.450	0.060	0.171	0.085
1,2,4-Trichlorobenzene	55	55									
1,2,4-Trimethylbenzene	55	0	0.290	0.410	0.540	0.780	0.980	2.030	0.190	0.643	0.357
1,2-Dichlorobenzene	55	55									
1,2-Dichloroethane	55	0	0.060	0.060	0.070	0.090	0.100	0.100	0.050	0.076	0.014
1,2-Dichloropropane	55	48	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,2-Diethylbenzene	55	51	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,3,5-Trimethylbenzene	55	0	0.090	0.140	0.180	0.250	0.320	0.640	0.050	0.209	0.113
1,3-Butadiene	55	0	0.060	0.090	0.110	0.160	0.200	0.360	0.050	0.129	0.063
1,3-Dichlorobenzene	55	55									
1,3-Diethylbenzene	55	17	0.050	0.050	0.050	0.070	0.080	0.110	0.050	0.060	0.015
1,4-Dichlorobenzene	55	2	0.050	0.060	0.080	0.090	0.120	0.180	0.050	0.082	0.028
1,4-Dichlorobutane	55	55									
1,4-Diethylbenzene	55	0	0.080	0.110	0.140	0.170	0.210	0.320	0.060	0.149	0.054
1-Butene/Isobutene	55	0	0.250	0.350	0.430	0.550	0.750	1.530	0.240	0.495	0.240
1-Butyne	55	55									
1-Decene	55	18	0.050	0.050	0.050	0.070	0.090	0.130	0.050	0.064	0.021
1-Heptene	55	0	0.060	0.080	0.100	0.130	0.170	0.460	0.050	0.118	0.065
1-Hexene	55	0	0.130	0.160	0.170	0.210	0.250	0.370	0.050	0.186	0.049
1-Methylcyclohexene	55	16	0.050	0.050	0.050	0.060	0.060	0.080	0.050	0.053	0.006
1-Methylcyclopentene	55	14	0.050	0.050	0.050	0.060	0.090	0.160	0.050	0.061	0.021
1-Nonene	55	33	0.050	0.050	0.050	0.060	0.060	0.100	0.050	0.054	0.009
1-Octene	55	24	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.009
1-Pentene	55	0	0.080	0.100	0.130	0.150	0.180	0.330	0.050	0.135	0.047
1-Propyne	55	5	0.050	0.050	0.070	0.090	0.120	0.220	0.050	0.079	0.035
2,2,3-Trimethylbutane	55	55									

Table 46: VOC Annual Statistics at London (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	55	0	0.170	0.300	0.390	0.500	0.620	1.460	0.130	0.431	0.225
2,2,5-Trimethylhexane	55	46	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.052	0.007
2,2-Dimethylbutane	55	0	0.100	0.130	0.160	0.200	0.250	0.440	0.080	0.174	0.071
2,2-Dimethylhexane	55	51	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.051	0.007
2,2-Dimethylpentane	55	19	0.050	0.050	0.050	0.060	0.080	0.160	0.050	0.060	0.021
2,2-Dimethylpropane	55	26	0.050	0.050	0.050	0.060	0.070	0.110	0.050	0.056	0.013
2,3,4-Trimethylpentane	55	1	0.060	0.100	0.140	0.170	0.220	0.450	0.050	0.148	0.072
2,3-Dimethylbutane	55	0	0.130	0.210	0.290	0.400	0.500	1.150	0.110	0.327	0.196
2,3-Dimethylpentane	55	0	0.120	0.170	0.230	0.290	0.360	0.990	0.090	0.256	0.142
2,4-Dimethylhexane	55	1	0.050	0.080	0.100	0.130	0.160	0.360	0.050	0.111	0.052
2,4-Dimethylpentane	55	0	0.060	0.090	0.120	0.170	0.200	0.460	0.060	0.137	0.072
2,5-Dimethylhexane	55	8	0.050	0.050	0.070	0.090	0.110	0.250	0.050	0.079	0.036
2-Ethyl-1-butene	55	49	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.051	0.007
2-Ethyltoluene	55	0	0.080	0.120	0.150	0.210	0.270	0.470	0.060	0.177	0.084
2-methyl-1-butene	55	0	0.080	0.110	0.150	0.210	0.340	0.570	0.070	0.185	0.102
2-Methyl-2-butene	55	0	0.110	0.160	0.210	0.300	0.420	0.870	0.100	0.256	0.145
2-Methylheptane	55	0	0.070	0.110	0.150	0.200	0.270	0.480	0.060	0.172	0.084
2-Methylhexane	55	0	0.180	0.280	0.370	0.490	0.720	1.790	0.140	0.428	0.269
2-Methylpentane	55	0	0.530	0.820	1.030	1.510	2.280	5.450	0.470	1.312	0.893
3,6-Dimethyloctane	55	46	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.052	0.007
3-Ethyltoluene	55	0	0.170	0.260	0.330	0.460	0.620	1.200	0.140	0.400	0.215
3-Methyl-1-pentene	55	42	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.006
3-Methylheptane	55	0	0.070	0.100	0.130	0.180	0.250	0.430	0.060	0.150	0.074
3-Methylhexane	55	0	0.190	0.310	0.420	0.570	0.860	2.530	0.150	0.511	0.375
3-Methylpentane	55	0	0.400	0.540	0.680	1.030	1.760	6.020	0.340	0.966	0.866
4-Ethyltoluene	55	0	0.090	0.160	0.200	0.270	0.340	0.620	0.090	0.229	0.107
4-Methyl-1-pentene	55	39	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.053	0.009
4-Methylheptane	55	13	0.050	0.050	0.060	0.080	0.110	0.190	0.050	0.070	0.028
Acetylene	55	0	0.893	1.065	1.616	2.444	3.510	6.488	0.632	1.944	1.135
Benzene	55	0	0.470	0.670	0.850	1.130	1.430	2.580	0.360	0.948	0.410
Bromodichloromethane	55	2	0.050	0.070	0.080	0.080	0.120	0.140	0.050	0.080	0.022

Table 46: VOC Annual Statistics at London (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	55	6	0.050	0.050	0.050	0.070	0.070	0.090	0.050	0.058	0.010
Bromomethane	55	0	0.110	0.130	0.150	0.160	0.170	0.220	0.080	0.148	0.023
Butane	55	0	0.910	1.490	2.560	3.840	4.930	16.780	0.710	3.225	2.805
Carbontetrachloride	55	0	0.610	0.640	0.690	0.750	0.800	0.850	0.560	0.699	0.067
Chlorobenzene	55	55									
Chloroethane	55	2	0.050	0.060	0.080	0.090	0.090	0.110	0.050	0.075	0.016
Chloroform	55	0	0.090	0.110	0.120	0.130	0.150	0.160	0.080	0.122	0.019
Chloromethane	55	0	1.020	1.100	1.180	1.250	1.320	1.510	1.010	1.178	0.110
cis-1,2-Dichloroethylene	55	49	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	55	51	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.005
cis-1,3-Dichloropropene	55	54	0.050	0.050	0.050	0.050	0.050	0.570	0.050	0.059	0.070
cis-1,3-Dimethylcyclohexane	55	15	0.050	0.050	0.050	0.070	0.100	0.170	0.050	0.064	0.025
cis-1,4/t-1,3-Dimethylcyclohexane	55	53	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.005
cis-2-Butene	55	0	0.060	0.080	0.110	0.150	0.240	0.560	0.050	0.133	0.087
cis-2-Heptene	55	25	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.054	0.007
cis-2-Hexene	55	41	0.050	0.050	0.050	0.050	0.070	0.110	0.050	0.054	0.011
cis-2-Pentene	55	1	0.070	0.090	0.110	0.150	0.190	0.330	0.050	0.127	0.052
cis-3-Methyl-2-pentene	55	27	0.050	0.050	0.050	0.050	0.070	0.150	0.050	0.057	0.018
cis-4-Methyl-2-pentene	55	55									
Cyclohexane	55	0	0.070	0.110	0.140	0.230	0.330	4.480	0.050	0.283	0.627
Cyclohexene	55	43	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
Cyclopentane	55	0	0.120	0.170	0.230	0.320	0.430	0.850	0.070	0.270	0.157
Cyclopentene	55	27	0.050	0.050	0.050	0.060	0.070	0.130	0.050	0.057	0.015
Decane	55	0	0.090	0.150	0.220	0.310	0.450	1.140	0.080	0.266	0.193
Dibromochloromethane	55	4	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.057	0.009
Dibromomethane	55	0	0.080	0.090	0.100	0.110	0.120	0.150	0.050	0.099	0.018
Dichloromethane	55	0	0.210	0.300	0.390	0.520	0.790	1.110	0.200	0.444	0.209
Dodecane	55	2	0.050	0.100	0.120	0.150	0.220	0.490	0.050	0.135	0.076
EDB	55	6	0.050	0.050	0.060	0.060	0.070	0.090	0.050	0.057	0.008
Ethane	55	0	1.346	2.052	2.832	4.002	5.780	10.681	1.186	3.346	1.806
Ethylbenzene	55	0	0.260	0.360	0.490	0.690	0.990	1.870	0.200	0.584	0.346

Table 46: VOC Annual Statistics at London (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	55	53	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	55	0	0.666	1.132	1.390	2.186	3.055	5.503	0.608	1.721	0.953
Freon11	55	0	1.600	1.710	1.820	1.950	2.090	2.700	1.580	1.854	0.211
Freon114	55	0	0.190	0.210	0.220	0.260	0.280	0.300	0.150	0.230	0.034
Freon12	55	0	2.440	2.650	2.810	2.930	3.070	3.510	2.190	2.800	0.243
Freon22	55	0	0.500	0.620	0.670	0.700	0.800	0.950	0.470	0.673	0.094
Heptane	55	0	0.200	0.290	0.350	0.450	0.650	2.410	0.170	0.459	0.380
Hexachlorobutadiene	55	55									
Hexane	55	0	0.470	0.620	0.850	1.270	1.930	9.370	0.350	1.228	1.361
Hexylbenzene	40	21	0.050	0.050	0.050	0.110	0.160	0.720	0.050	0.095	0.112
Indane	55	2	0.050	0.070	0.080	0.110	0.140	0.220	0.050	0.093	0.036
Isobutane	55	0	0.480	0.780	1.280	1.920	2.730	8.630	0.420	1.614	1.392
iso-Butylbenzene	55	52	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Isopentane	55	0	1.380	2.010	2.770	3.490	4.730	11.030	0.960	3.094	1.789
Isoprene	55	1	0.050	0.080	0.130	0.240	0.300	0.550	0.050	0.163	0.108
iso-Propylbenzene	55	9	0.050	0.050	0.060	0.070	0.090	0.130	0.050	0.063	0.018
m and p-Xylene	55	0	0.660	0.910	1.390	1.940	2.810	5.680	0.510	1.623	1.033
Methylcyclohexane	55	0	0.090	0.130	0.160	0.210	0.350	3.000	0.060	0.253	0.406
Methylcyclopentane	55	0	0.200	0.270	0.370	0.510	0.690	2.010	0.150	0.446	0.297
n-Butylbenzene	55	23	0.050	0.050	0.050	0.060	0.070	0.110	0.050	0.056	0.013
Nonane	55	0	0.080	0.120	0.160	0.220	0.310	0.710	0.080	0.192	0.124
n-Propylbenzene	55	0	0.070	0.110	0.130	0.170	0.230	0.380	0.060	0.148	0.065
Octane	55	0	0.090	0.140	0.170	0.200	0.280	0.470	0.090	0.186	0.077
o-Xylene	55	0	0.230	0.350	0.440	0.600	0.880	1.750	0.200	0.529	0.306
p-Cymene	55	13	0.050	0.050	0.080	0.120	0.150	0.260	0.050	0.093	0.050
Pentane	55	0	0.850	1.280	1.730	2.290	3.080	10.760	0.620	2.067	1.553
Propane	55	0	0.990	1.580	2.660	3.570	5.150	9.570	0.980	2.942	1.842
Propylene	55	0	0.270	0.410	0.510	0.710	1.010	1.700	0.260	0.589	0.286
sec-Butylbenzene	55	48	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
Styrene	55	1	0.060	0.080	0.110	0.150	0.170	0.300	0.050	0.119	0.051
tert-Butylbenzene	55	55									

Table 46: VOC Annual Statistics at London (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < Dl.	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	55	0	0.100	0.140	0.200	0.270	0.300	0.550	0.080	0.213	0.092
Toluene	55	0	1.110	1.680	2.240	3.540	5.720	10.640	0.930	2.914	1.919
trans-1,2-Dichloroethylene	55	54	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	55	39	0.050	0.050	0.050	0.050	0.060	0.130	0.050	0.054	0.015
trans-1,3-Dichloropropene	55	54	0.050	0.050	0.050	0.050	0.050	0.470	0.050	0.058	0.057
trans-1,4-Dimethylcyclohexane	55	51	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.007
trans-2-Butene	55	0	0.050	0.080	0.120	0.160	0.280	0.670	0.050	0.149	0.110
trans-2-Heptene	55	49	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
trans-2-Hexene	55	34	0.050	0.050	0.050	0.050	0.060	0.160	0.050	0.056	0.017
trans-2-Pentene	55	0	0.060	0.090	0.110	0.170	0.250	0.470	0.050	0.143	0.082
trans-3-Heptene	55	55									
trans-3-Methyl-2-pentene	55	42	0.050	0.050	0.050	0.050	0.060	0.120	0.050	0.055	0.015
trans-4-Methyl-2-pentene	55	55									
Trichloroethylene	55	0	0.050	0.080	0.120	0.200	1.010	4.510	0.050	0.318	0.649
Undecane	55	0	0.080	0.150	0.190	0.270	0.380	1.050	0.060	0.234	0.161
Vinylchloride	55	55									

Notes:

-VOC sites are operated by Environment Canada

Table 47: VOC Annual Statistics at Ottawa (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.270	0.290	0.320	0.340	0.370	0.420	0.250	0.319	0.037
1,1,2,2-Tetrachloroethane	60	17	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.008
1,1,2-Trichloroethane	60	35	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,1-Dichloroethane	60	57	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	60	12	0.050	0.050	0.060	0.070	0.070	0.080	0.050	0.059	0.008
1,2,3-Trimethylbenzene	60	2	0.060	0.110	0.180	0.290	0.620	7.910	0.050	0.476	1.239
1,2,4-Trichlorobenzene	60	60									
1,2,4-Trimethylbenzene	60	1	0.190	0.410	0.670	0.990	1.850	28.890	0.050	1.656	4.353
1,2-Dichlorobenzene	60	60									
1,2-Dichloroethane	60	0	0.060	0.060	0.080	0.090	0.090	0.100	0.050	0.075	0.013
1,2-Dichloropropane	60	47	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Diethylbenzene	60	46	0.050	0.050	0.050	0.050	0.080	0.720	0.050	0.080	0.124
1,3,5-Trimethylbenzene	60	2	0.070	0.140	0.210	0.330	0.630	12.280	0.050	0.607	1.801
1,3-Butadiene	60	0	0.070	0.100	0.140	0.210	0.290	0.580	0.060	0.173	0.111
1,3-Dichlorobenzene	60	60									
1,3-Diethylbenzene	60	20	0.050	0.050	0.060	0.080	0.140	1.580	0.050	0.132	0.278
1,4-Dichlorobenzene	60	0	0.090	0.120	0.160	0.210	0.320	0.400	0.070	0.172	0.078
1,4-Dichlorobutane	60	60									
1,4-Diethylbenzene	60	1	0.050	0.090	0.150	0.270	0.430	5.640	0.050	0.422	1.081
1-Butene/Isobutene	60	0	0.280	0.370	0.500	0.750	1.360	2.020	0.210	0.644	0.417
1-Butyne	60	59	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Decene	60	21	0.050	0.050	0.070	0.110	0.330	9.870	0.050	0.360	1.368
1-Heptene	60	3	0.060	0.080	0.100	0.140	0.200	0.920	0.050	0.129	0.121
1-Hexene	60	0	0.120	0.150	0.180	0.230	0.290	0.440	0.060	0.198	0.075
1-Methylcyclohexene	60	23	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.054	0.008
1-Methylcyclopentene	60	10	0.050	0.050	0.060	0.080	0.160	0.240	0.050	0.077	0.041
1-Nonene	60	39	0.050	0.050	0.050	0.050	0.060	2.510	0.050	0.109	0.329
1-Octene	60	43	0.050	0.050	0.050	0.050	0.060	1.610	0.050	0.077	0.201
1-Pentene	60	0	0.090	0.120	0.150	0.190	0.290	0.490	0.050	0.168	0.083
1-Propyne	60	7	0.050	0.060	0.080	0.100	0.160	0.310	0.050	0.096	0.061
2,2,3-Trimethylbutane	60	58	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003

Table 47: VOC Annual Statistics at Ottawa (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	60	0	0.150	0.250	0.330	0.420	0.640	1.690	0.110	0.391	0.274
2,2,5-Trimethylhexane	60	47	0.050	0.050	0.050	0.050	0.080	0.420	0.050	0.061	0.049
2,2-Dimethylbutane	60	0	0.110	0.160	0.200	0.280	0.360	0.580	0.090	0.229	0.111
2,2-Dimethylhexane	60	53	0.050	0.050	0.050	0.050	0.050	0.520	0.050	0.058	0.061
2,2-Dimethylpentane	60	18	0.050	0.050	0.050	0.070	0.090	0.230	0.050	0.064	0.028
2,2-Dimethylpropane	60	39	0.050	0.050	0.050	0.050	0.070	0.080	0.050	0.053	0.008
2,3,4-Trimethylpentane	60	1	0.060	0.100	0.130	0.180	0.260	0.670	0.050	0.159	0.110
2,3-Dimethylbutane	60	0	0.120	0.200	0.270	0.410	0.600	1.020	0.100	0.323	0.198
2,3-Dimethylpentane	60	0	0.090	0.140	0.190	0.250	0.430	1.150	0.070	0.230	0.170
2,4-Dimethylhexane	60	3	0.060	0.080	0.110	0.140	0.220	1.610	0.050	0.144	0.202
2,4-Dimethylpentane	60	3	0.050	0.090	0.120	0.160	0.320	0.460	0.050	0.143	0.089
2,5-Dimethylhexane	60	7	0.050	0.060	0.080	0.100	0.200	1.230	0.050	0.109	0.155
2-Ethyl-1-butene	60	49	0.050	0.050	0.050	0.050	0.070	0.170	0.050	0.056	0.019
2-Ethyltoluene	60	1	0.070	0.110	0.180	0.250	0.450	7.140	0.050	0.396	1.001
2-methyl-1-butene	60	1	0.100	0.160	0.200	0.280	0.520	0.910	0.050	0.255	0.170
2-Methyl-2-butene	60	1	0.160	0.240	0.310	0.420	0.690	1.710	0.050	0.382	0.274
2-Methylheptane	60	0	0.090	0.130	0.180	0.230	0.420	9.130	0.060	0.366	1.165
2-Methylhexane	60	0	0.170	0.280	0.390	0.530	0.880	4.050	0.130	0.498	0.529
2-Methylpentane	60	0	0.430	0.650	0.970	1.340	1.940	3.540	0.310	1.135	0.687
3,6-Dimethyloctane	60	39	0.050	0.050	0.050	0.060	0.210	11.460	0.050	0.362	1.561
3-Ethyltoluene	60	1	0.140	0.270	0.410	0.570	1.120	16.100	0.050	0.891	2.270
3-Methyl-1-pentene	60	46	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.053	0.009
3-Methylheptane	60	0	0.070	0.120	0.170	0.240	0.450	8.240	0.050	0.343	1.052
3-Methylhexane	60	0	0.180	0.320	0.430	0.600	0.930	4.680	0.120	0.553	0.610
3-Methylpentane	60	0	0.270	0.450	0.600	0.880	1.280	1.950	0.180	0.714	0.413
4-Ethyltoluene	60	1	0.090	0.170	0.230	0.300	0.550	7.950	0.050	0.472	1.123
4-Methyl-1-pentene	60	48	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.053	0.008
4-Methylheptane	60	12	0.050	0.050	0.070	0.100	0.180	3.260	0.050	0.145	0.415
Acetylene	60	0	0.709	1.124	1.663	3.240	4.530	6.995	0.637	2.244	1.535
Benzene	60	0	0.400	0.650	0.830	1.320	2.080	3.460	0.340	1.081	0.697
Bromodichloromethane	60	1	0.050	0.060	0.080	0.090	0.114	0.160	0.050	0.081	0.023

Table 47: VOC Annual Statistics at Ottawa (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	60	15	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.009
Bromomethane	60	0	0.100	0.130	0.140	0.150	0.170	0.220	0.090	0.139	0.020
Butane	60	0	0.790	1.240	1.850	3.940	7.090	11.430	0.590	3.039	2.627
Carbontetrachloride	60	0	0.600	0.630	0.690	0.720	0.810	0.870	0.570	0.689	0.070
Chlorobenzene	60	60									
Chloroethane	60	5	0.050	0.060	0.070	0.080	0.090	0.130	0.050	0.073	0.017
Chloroform	60	0	0.110	0.130	0.150	0.200	0.260	1.250	0.090	0.188	0.156
Chloromethane	60	0	0.950	1.030	1.110	1.210	1.280	1.420	0.920	1.128	0.119
cis-1,2-Dichloroethylene	60	57	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	60	47	0.050	0.050	0.050	0.050	0.060	1.290	0.050	0.076	0.161
cis-1,3-Dichloropropene	60	60									
cis-1,3-Dimethylcyclohexane	60	19	0.050	0.050	0.060	0.080	0.120	7.410	0.050	0.203	0.950
cis-1,4/t-1,3-Dimethylcyclohexane	60	51	0.050	0.050	0.050	0.050	0.060	1.950	0.050	0.087	0.246
cis-2-Butene	60	1	0.090	0.120	0.150	0.250	0.480	0.730	0.050	0.210	0.146
cis-2-Heptene	60	33	0.050	0.050	0.050	0.050	0.070	0.130	0.050	0.054	0.013
cis-2-Hexene	60	30	0.050	0.050	0.050	0.060	0.110	0.190	0.050	0.064	0.029
cis-2-Pentene	60	1	0.090	0.120	0.160	0.200	0.320	0.640	0.050	0.181	0.101
cis-3-Methyl-2-pentene	60	19	0.050	0.050	0.060	0.070	0.120	0.230	0.050	0.068	0.032
cis-4-Methyl-2-pentene	60	57	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Cyclohexane	60	1	0.060	0.090	0.130	0.190	0.330	2.190	0.050	0.188	0.279
Cyclohexene	60	33	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Cyclopentane	60	0	0.090	0.130	0.180	0.260	0.440	0.660	0.070	0.224	0.142
Cyclopentene	60	17	0.050	0.050	0.060	0.070	0.100	0.190	0.050	0.068	0.033
Decane	60	1	0.100	0.200	0.320	0.710	3.630	94.650	0.050	4.210	15.709
Dibromochloromethane	60	13	0.050	0.050	0.060	0.070	0.070	0.080	0.050	0.058	0.009
Dibromomethane	60	0	0.070	0.090	0.100	0.110	0.120	0.120	0.060	0.096	0.016
Dichloromethane	60	0	0.230	0.320	0.410	0.560	0.770	2.470	0.220	0.513	0.398
Dodecane	60	11	0.050	0.060	0.130	0.200	0.680	29.540	0.050	1.280	5.147
EDB	60	12	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.057	0.008
Ethane	60	0	1.180	1.516	2.524	3.714	4.664	9.325	1.087	2.789	1.566
Ethylbenzene	60	0	0.220	0.370	0.530	0.680	1.260	3.900	0.110	0.646	0.578

Table 47: VOC Annual Statistics at Ottawa (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	60	59	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	60	0	0.697	1.073	1.406	2.838	4.213	8.007	0.485	2.093	1.628
Freon11	60	0	1.530	1.670	1.730	1.800	1.900	2.230	1.460	1.740	0.143
Freon114	60	0	0.170	0.200	0.220	0.230	0.240	0.260	0.150	0.215	0.022
Freon12	60	0	2.430	2.640	2.770	2.860	2.990	3.380	2.270	2.751	0.209
Freon22	60	0	0.550	0.610	0.640	0.730	0.890	1.360	0.480	0.685	0.141
Heptane	60	0	0.170	0.250	0.350	0.450	0.630	12.510	0.130	0.576	1.578
Hexachlorobutadiene	60	60									
Hexane	60	0	0.280	0.440	0.600	0.860	1.670	2.760	0.190	0.732	0.473
Hexylbenzene	49	23	0.050	0.050	0.050	0.110	0.140	0.720	0.050	0.112	0.156
Indane	60	5	0.050	0.070	0.100	0.150	0.240	1.640	0.050	0.167	0.257
Isobutane	60	0	0.490	0.820	1.320	2.500	4.520	7.280	0.410	1.928	1.591
iso-Butylbenzene	60	42	0.050	0.050	0.050	0.050	0.090	1.060	0.050	0.087	0.159
Isopentane	60	0	1.080	1.590	2.410	3.610	5.880	8.330	0.820	2.916	1.805
Isoprene	60	1	0.060	0.110	0.160	0.430	0.960	1.880	0.050	0.345	0.398
iso-Propylbenzene	60	10	0.050	0.050	0.060	0.080	0.140	2.570	0.050	0.131	0.338
m and p-Xylene	60	0	0.540	0.940	1.400	1.970	3.620	19.300	0.100	1.947	2.599
Methylcyclohexane	60	0	0.070	0.110	0.170	0.220	0.390	14.800	0.060	0.435	1.889
Methylcyclopentane	60	0	0.190	0.300	0.410	0.590	1.100	1.500	0.120	0.498	0.312
n-Butylbenzene	60	23	0.050	0.050	0.050	0.090	0.180	1.770	0.050	0.147	0.333
Nonane	60	1	0.080	0.140	0.220	0.440	1.650	103.270	0.050	3.013	14.212
n-Propylbenzene	60	1	0.070	0.120	0.160	0.220	0.390	5.940	0.050	0.332	0.815
Octane	60	0	0.080	0.130	0.170	0.220	0.420	25.300	0.060	0.696	3.276
o-Xylene	60	0	0.210	0.340	0.540	0.710	1.360	9.770	0.050	0.780	1.282
p-Cymene	60	17	0.050	0.050	0.100	0.170	0.350	1.850	0.050	0.181	0.292
Pentane	60	0	0.540	0.790	1.130	1.680	2.650	3.790	0.410	1.373	0.828
Propane	60	0	0.900	1.250	2.090	3.380	4.580	8.340	0.700	2.490	1.598
Propylene	60	0	0.290	0.420	0.560	0.860	1.330	2.610	0.190	0.727	0.515
sec-Butylbenzene	60	41	0.050	0.050	0.050	0.060	0.120	1.740	0.050	0.113	0.258
Styrene	60	10	0.050	0.070	0.100	0.140	0.210	0.420	0.050	0.115	0.071
tert-Butylbenzene	60	53	0.050	0.050	0.050	0.050	0.050	0.480	0.050	0.066	0.071

Table 47: VOC Annual Statistics at Ottawa (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	60	0	0.130	0.210	0.360	0.760	1.050	2.210	0.090	0.505	0.416
Toluene	60	0	1.070	2.040	2.880	3.970	7.330	21.970	0.700	3.630	3.267
trans-1,2-Dichloroethylene	60	60									
trans-1,2-Dimethylcyclohexane	60	41	0.050	0.050	0.050	0.060	0.080	5.700	0.050	0.164	0.731
trans-1,3-Dichloropropene	60	60									
trans-1,4-Dimethylcyclohexane	60	50	0.050	0.050	0.050	0.050	0.060	3.440	0.050	0.112	0.438
trans-2-Butene	60	1	0.090	0.130	0.160	0.300	0.570	0.880	0.050	0.237	0.179
trans-2-Heptene	60	43	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.052	0.008
trans-2-Hexene	60	21	0.050	0.050	0.050	0.070	0.110	0.230	0.050	0.067	0.031
trans-2-Pentene	60	1	0.090	0.150	0.180	0.260	0.490	0.970	0.050	0.236	0.163
trans-3-Heptene	60	59	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
trans-3-Methyl-2-pentene	60	31	0.050	0.050	0.050	0.060	0.100	0.210	0.050	0.063	0.030
trans-4-Methyl-2-pentene	60	60									
Trichloroethylene	60	1	0.050	0.070	0.090	0.130	0.170	0.660	0.050	0.110	0.083
Undecane	60	1	0.070	0.120	0.250	0.540	2.180	66.130	0.050	3.441	12.707
Vinylchloride	60	60									

Notes:

-VOC site are operated by Environment Canada

Table 48: VOC Annual Statistics at Point Petre (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.380	0.430	0.530	0.640	0.770	6.030	0.270	0.678	0.822
1,1,2,2-Tetrachloroethane	47	10	0.050	0.050	0.050	0.060	0.060	0.090	0.050	0.056	0.009
1,1,2-Trichloroethane	47	32	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,1-Dichloroethane	47	44	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	47	5	0.050	0.050	0.060	0.070	0.070	0.090	0.050	0.061	0.010
1,2,3-Trimethylbenzene	47	31	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.053	0.007
1,2,4-Trichlorobenzene	47	47									
1,2,4-Trimethylbenzene	47	1	0.060	0.080	0.110	0.140	0.180	0.310	0.050	0.116	0.052
1,2-Dichlorobenzene	47	47									
1,2-Dichloroethane	47	0	0.050	0.060	0.070	0.080	0.090	0.110	0.050	0.071	0.014
1,2-Dichloropropane	47	36	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,2-Diethylbenzene	47	47									
1,3,5-Trimethylbenzene	47	32	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.007
1,3-Butadiene	47	37	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.007
1,3-Dichlorobenzene	47	47									
1,3-Diethylbenzene	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,4-Dichlorobenzene	47	25	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
1,4-Dichlorobutane	47	47									
1,4-Diethylbenzene	47	13	0.050	0.050	0.050	0.070	0.080	0.110	0.050	0.060	0.015
1-Butene/Isobutene	47	0	0.130	0.150	0.180	0.220	0.270	0.390	0.110	0.188	0.052
1-Butyne	47	47									
1-Decene	47	35	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
1-Heptene	47	22	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.007
1-Hexene	47	0	0.060	0.100	0.120	0.150	0.170	0.200	0.060	0.126	0.034
1-Methylcyclohexene	47	31	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1-Methylcyclopentene	47	44	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Nonene	47	41	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.005
1-Octene	47	36	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
1-Pentene	47	6	0.050	0.050	0.060	0.080	0.080	0.100	0.050	0.064	0.014
1-Propyne	47	42	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.052	0.006
2,2,3-Trimethylbutane	47	47									

Table 48: VOC Annual Statistics at Point Petre (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	47	0	0.050	0.090	0.120	0.150	0.220	0.380	0.050	0.134	0.072
2,2,5-Trimethylhexane	47	47									
2,2-Dimethylbutane	47	0	0.060	0.080	0.090	0.110	0.130	0.160	0.060	0.095	0.024
2,2-Dimethylhexane	47	47									
2,2-Dimethylpentane	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
2,2-Dimethylpropane	47	37	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.004
2,3,4-Trimethylpentane	47	30	0.050	0.050	0.050	0.060	0.080	0.130	0.050	0.058	0.017
2,3-Dimethylbutane	47	9	0.050	0.050	0.060	0.100	0.130	0.190	0.050	0.079	0.037
2,3-Dimethylpentane	47	5	0.050	0.050	0.070	0.080	0.120	0.150	0.050	0.075	0.028
2,4-Dimethylhexane	47	31	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.053	0.007
2,4-Dimethylpentane	47	32	0.050	0.050	0.050	0.050	0.070	0.100	0.050	0.054	0.009
2,5-Dimethylhexane	47	46	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
2-Ethyl-1-butene	47	47									
2-Ethyltoluene	47	29	0.050	0.050	0.050	0.050	0.060	0.110	0.050	0.054	0.011
2-methyl-1-butene	47	22	0.050	0.050	0.050	0.060	0.070	0.100	0.050	0.057	0.013
2-Methyl-2-butene	47	23	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.052	0.006
2-Methylheptane	47	16	0.050	0.050	0.050	0.060	0.080	0.110	0.050	0.059	0.015
2-Methylhexane	47	3	0.050	0.060	0.090	0.120	0.190	0.260	0.050	0.103	0.052
2-Methylpentane	47	0	0.140	0.180	0.260	0.384	0.540	0.700	0.110	0.304	0.154
3,6-Dimethyloctane	47	47									
3-Ethyltoluene	47	13	0.050	0.050	0.060	0.090	0.120	0.210	0.050	0.074	0.033
3-Methyl-1-pentene	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
3-Methylheptane	47	31	0.050	0.050	0.050	0.050	0.070	0.090	0.050	0.053	0.009
3-Methylhexane	47	2	0.050	0.070	0.100	0.140	0.200	0.330	0.050	0.118	0.060
3-Methylpentane	47	0	0.110	0.150	0.190	0.270	0.360	0.500	0.080	0.217	0.093
4-Ethyltoluene	47	6	0.050	0.050	0.060	0.080	0.100	0.150	0.050	0.068	0.022
4-Methyl-1-pentene	47	44	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
4-Methylheptane	47	45	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Acetylene	47	0	0.290	0.436	0.758	1.259	1.464	2.132	0.220	0.863	0.496
Benzene	47	0	0.180	0.240	0.410	0.720	0.780	1.200	0.140	0.467	0.257
Bromodichloromethane	47	6	0.050	0.050	0.060	0.070	0.090	0.180	0.050	0.067	0.024

Table 48: VOC Annual Statistics at Point Petre (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	47	6	0.050	0.050	0.050	0.060	0.070	0.070	0.050	0.056	0.007
Bromomethane	47	0	0.100	0.130	0.150	0.160	0.170	0.210	0.090	0.147	0.024
Butane	47	0	0.280	0.430	0.890	1.430	2.060	3.040	0.200	1.022	0.718
Carbontetrachloride	47	0	0.620	0.650	0.700	0.760	0.830	0.930	0.610	0.720	0.081
Chlorobenzene	47	47									
Chloroethane	47	3	0.050	0.050	0.060	0.080	0.080	0.090	0.050	0.065	0.013
Chloroform	47	0	0.090	0.100	0.100	0.120	0.120	0.150	0.080	0.107	0.015
Chloromethane	47	0	1.020	1.090	1.150	1.220	1.400	1.590	0.910	1.173	0.131
cis-1,2-Dichloroethylene	47	42	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	47	47									
cis-1,3-Dichloropropene	47	47									
cis-1,3-Dimethylcyclohexane	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,4/t-1,3-Dimethylcyclohexane	47	47									
cis-2-Butene	47	45	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-2-Heptene	47	42	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-2-Hexene	47	47									
cis-2-Pentene	47	19	0.050	0.050	0.050	0.060	0.070	0.070	0.050	0.054	0.007
cis-3-Methyl-2-pentene	47	47									
cis-4-Methyl-2-pentene	47	47									
Cyclohexane	47	11	0.050	0.050	0.070	0.090	0.130	0.210	0.050	0.080	0.038
Cyclohexene	47	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Cyclopentane	47	14	0.050	0.050	0.060	0.080	0.110	0.140	0.050	0.069	0.025
Cyclopentene	47	47									
Decane	47	9	0.050	0.050	0.060	0.090	0.120	0.180	0.050	0.075	0.032
Dibromochloromethane	47	9	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.009
Dibromomethane	47	0	0.060	0.090	0.100	0.110	0.110	0.120	0.050	0.094	0.017
Dichloromethane	11	0	0.350	0.570	1.010	3.340	12.400	21.160	0.350	3.981	6.677
Dodecane	47	6	0.050	0.060	0.070	0.090	0.110	146.000	0.050	3.183	21.285
EDB	47	8	0.050	0.050	0.050	0.060	0.060	0.090	0.050	0.056	0.009
Ethane	47	0	0.986	1.398	2.132	2.819	3.752	5.486	0.836	2.229	1.063
Ethylbenzene	47	0	0.080	0.110	0.150	0.190	0.300	0.460	0.070	0.170	0.083

Table 48: VOC Annual Statistics at Point Petre (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	47	0	0.228	0.293	0.400	0.658	1.037	1.385	0.179	0.517	0.306
Freon11	47	0	1.640	1.720	1.830	1.960	2.110	2.800	1.600	1.873	0.219
Freon114	47	0	0.170	0.200	0.210	0.250	0.270	0.280	0.160	0.224	0.031
Freon12	47	0	2.770	3.190	3.430	3.830	4.090	8.120	2.670	3.570	0.804
Freon22	47	0	0.490	0.530	0.570	0.600	0.650	0.780	0.470	0.570	0.060
Heptane	47	0	0.090	0.110	0.140	0.180	0.230	0.380	0.070	0.151	0.056
Hexachlorobutadiene	47	47									
Hexane	47	0	0.170	0.300	0.420	0.730	2.000	9.910	0.130	0.927	1.736
Hexylbenzene	37	24	0.050	0.050	0.050	0.060	0.110	0.150	0.050	0.062	0.025
Indane	47	39	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
Isobutane	47	0	0.140	0.230	0.380	0.720	1.070	1.310	0.100	0.503	0.325
iso-Butylbenzene	47	47									
Isopentane	47	0	0.350	0.530	0.710	1.040	1.390	1.910	0.250	0.821	0.396
Isoprene	47	23	0.050	0.050	0.050	0.130	0.340	0.510	0.050	0.123	0.131
iso-Propylbenzene	47	41	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
m and p-Xylene	47	0	0.180	0.220	0.340	0.450	0.690	1.430	0.120	0.378	0.228
Methylcyclohexane	47	16	0.050	0.050	0.060	0.080	0.110	0.190	0.050	0.070	0.029
Methylcyclopentane	47	1	0.050	0.090	0.130	0.200	0.360	1.500	0.050	0.211	0.267
n-Butylbenzene	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Nonane	47	15	0.050	0.050	0.060	0.070	0.090	0.120	0.050	0.063	0.018
n-Propylbenzene	47	26	0.050	0.050	0.050	0.050	0.070	0.100	0.050	0.054	0.010
Octane	47	4	0.050	0.050	0.070	0.080	0.100	0.120	0.050	0.069	0.019
o-Xylene	47	0	0.070	0.090	0.120	0.170	0.230	0.490	0.050	0.142	0.078
p-Cymene	47	17	0.050	0.050	0.060	0.090	0.130	0.330	0.050	0.076	0.047
Pentane	47	0	0.200	0.310	0.410	0.590	0.860	1.140	0.160	0.476	0.236
Propane	47	0	0.410	0.800	1.250	2.050	3.060	4.400	0.076	1.562	1.037
Propylene	47	0	0.100	0.120	0.140	0.200	0.280	0.430	0.100	0.169	0.070
sec-Butylbenzene	47	47									
Styrene	47	31	0.050	0.050	0.050	0.050	0.060	0.120	0.050	0.053	0.011
tert-Butylbenzene	47	47									

Table 48: VOC Annual Statistics at Point Petre (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	47	0	0.140	0.180	0.220	0.260	0.330	2.060	0.130	0.266	0.276
Toluene	47	0	0.430	0.600	0.830	1.190	1.810	5.080	0.330	1.031	0.782
trans-1,2-Dichloroethylene	47	47									
trans-1,2-Dimethylcyclohexane	47	47									
trans-1,3-Dichloropropene	47	47									
trans-1,4-Dimethylcyclohexane	47	47									
trans-2-Butene	47	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-2-Heptene	47	47									
trans-2-Hexene	47	47									
trans-2-Pentene	47	47									
trans-3-Heptene	47	47									
trans-3-Methyl-2-pentene	47	47									
trans-4-Methyl-2-pentene	47	47									
Trichloroethylene	47	0	0.060	0.070	0.090	0.100	0.120	0.190	0.050	0.089	0.025
Undecane	47	3	0.050	0.060	0.080	0.100	0.130	0.300	0.050	0.089	0.045
Vinylchloride	47	47									

Notes:

-VOC sites are operated by Environment Canada.

Table 49: VOC Annual Statistics at Sarnia (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.180	0.270	0.310	0.340	0.360	0.710	0.160	0.306	0.076
1,1,2,2-Tetrachloroethane	58	12	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.057	0.009
1,1,2-Trichloroethane	58	34	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
1,1-Dichloroethane	58	49	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1,1-Dichloroethylene	58	9	0.050	0.050	0.060	0.070	0.090	0.090	0.050	0.063	0.012
1,2,3-Trimethylbenzene	58	1	0.060	0.090	0.150	0.260	0.380	1.050	0.050	0.195	0.156
1,2,4-Trichlorobenzene	58	58									
1,2,4-Trimethylbenzene	58	0	0.210	0.330	0.580	1.010	1.470	4.820	0.120	0.767	0.688
1,2-Dichlorobenzene	58	58									
1,2-Dichloroethane	58	1	0.050	0.070	0.070	0.090	0.110	0.270	0.050	0.082	0.032
1,2-Dichloropropane	58	48	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	58	43	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.004
1,3,5-Trimethylbenzene	58	1	0.070	0.100	0.180	0.320	0.450	1.470	0.050	0.242	0.213
1,3-Butadiene	58	0	0.060	0.100	0.170	0.510	0.860	1.570	0.050	0.344	0.360
1,3-Dichlorobenzene	58	58									
1,3-Diethylbenzene	58	15	0.050	0.050	0.060	0.100	0.120	0.310	0.050	0.077	0.043
1,4-Dichlorobenzene	58	0	0.090	0.110	0.150	0.220	0.320	0.450	0.070	0.182	0.094
1,4-Dichlorobutane	58	57	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.005
1,4-Diethylbenzene	58	1	0.060	0.110	0.150	0.240	0.370	0.980	0.050	0.193	0.143
1-Butene/Isobutene	58	0	0.280	0.450	0.720	2.110	3.820	5.690	0.200	1.457	1.435
1-Butyne	58	57	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1-Decene	56	18	0.050	0.050	0.060	0.100	0.130	0.250	0.050	0.083	0.046
1-Heptene	58	1	0.050	0.090	0.120	0.260	0.390	0.620	0.050	0.176	0.131
1-Hexene	58	0	0.130	0.190	0.270	0.610	1.760	5.430	0.110	0.652	0.994
1-Methylcyclohexene	58	13	0.050	0.050	0.050	0.060	0.070	0.110	0.050	0.057	0.011
1-Methylcyclopentene	58	12	0.050	0.050	0.060	0.090	0.110	0.390	0.050	0.077	0.049
1-Nonene	58	33	0.050	0.050	0.050	0.060	0.080	0.130	0.050	0.057	0.014
1-Octene	58	20	0.050	0.050	0.060	0.080	0.130	0.510	0.050	0.085	0.083
1-Pentene	58	0	0.070	0.110	0.160	0.300	0.400	0.660	0.060	0.211	0.139
1-Propyne	58	4	0.050	0.060	0.080	0.130	0.150	0.650	0.050	0.103	0.085
2,2,3-Trimethylbutane	58	53	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.006

Table 49: VOC Annual Statistics at Sarnia (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	58	0	0.150	0.260	0.530	1.270	2.610	6.620	0.100	0.973	1.158
2,2,5-Trimethylhexane	58	30	0.050	0.050	0.050	0.070	0.110	0.510	0.050	0.072	0.065
2,2-Dimethylbutane	58	0	0.100	0.160	0.230	0.480	0.610	0.940	0.080	0.314	0.214
2,2-Dimethylhexane	58	44	0.050	0.050	0.050	0.050	0.060	0.110	0.050	0.053	0.010
2,2-Dimethylpentane	58	20	0.050	0.050	0.060	0.110	0.170	0.410	0.050	0.090	0.067
2,2-Dimethylpropane	58	11	0.050	0.050	0.060	0.100	0.140	0.230	0.050	0.079	0.040
2,3,4-Trimethylpentane	58	0	0.050	0.100	0.180	0.380	0.680	2.540	0.050	0.303	0.377
2,3-Dimethylbutane	58	0	0.110	0.210	0.410	0.930	1.350	2.710	0.100	0.614	0.564
2,3-Dimethylpentane	58	0	0.110	0.170	0.270	0.480	0.810	2.010	0.080	0.377	0.323
2,4-Dimethylhexane	58	0	0.050	0.080	0.130	0.270	0.470	1.010	0.050	0.197	0.179
2,4-Dimethylpentane	58	1	0.060	0.100	0.170	0.300	0.550	1.390	0.050	0.238	0.228
2,5-Dimethylhexane	58	8	0.050	0.060	0.100	0.200	0.330	0.830	0.050	0.151	0.141
2-Ethyl-1-butene	58	38	0.050	0.050	0.050	0.060	0.100	0.290	0.050	0.067	0.040
2-Ethyltoluene	58	1	0.070	0.100	0.160	0.300	0.400	1.190	0.050	0.212	0.176
2-methyl-1-butene	58	0	0.120	0.180	0.260	0.460	0.790	2.070	0.080	0.389	0.379
2-Methyl-2-butene	58	0	0.090	0.170	0.270	0.580	1.050	2.540	0.060	0.453	0.474
2-Methylheptane	58	0	0.070	0.120	0.190	0.430	0.580	1.070	0.060	0.282	0.230
2-Methylhexane	58	0	0.130	0.250	0.450	0.910	1.310	2.720	0.120	0.625	0.541
2-Methylpentane	58	0	0.370	0.780	1.290	3.640	5.470	8.290	0.320	2.374	2.141
3,6-Dimethyloctane	58	39	0.050	0.050	0.050	0.060	0.080	0.170	0.050	0.058	0.019
3-Ethyltoluene	58	0	0.150	0.210	0.360	0.660	0.950	3.140	0.080	0.492	0.451
3-Methyl-1-pentene	58	29	0.050	0.050	0.050	0.070	0.080	0.120	0.050	0.059	0.016
3-Methylheptane	58	0	0.060	0.100	0.180	0.360	0.490	1.050	0.050	0.242	0.198
3-Methylhexane	58	0	0.140	0.280	0.540	1.040	1.510	3.090	0.120	0.717	0.604
3-Methylpentane	58	0	0.310	0.550	0.960	2.500	3.830	8.320	0.240	1.677	1.621
4-Ethyltoluene	58	0	0.100	0.130	0.210	0.370	0.490	1.540	0.050	0.273	0.221
4-Methyl-1-pentene	58	34	0.050	0.050	0.050	0.060	0.080	0.120	0.050	0.058	0.015
4-Methylheptane	58	17	0.050	0.050	0.080	0.150	0.220	0.430	0.050	0.111	0.082
Acetylene	58	0	0.826	1.396	2.077	2.760	4.182	20.332	0.591	2.534	2.630
Benzene	58	0	0.450	0.670	1.180	2.240	3.120	5.560	0.300	1.599	1.222
Bromodichloromethane	58	3	0.050	0.080	0.090	0.120	0.150	0.220	0.050	0.100	0.037

Table 49: VOC Annual Statistics at Sarnia (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	58	11	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.057	0.009
Bromomethane	58	0	0.110	0.130	0.140	0.160	0.180	0.220	0.090	0.147	0.025
Butane	58	0	0.920	2.660	4.040	10.620	16.430	28.160	0.590	6.858	6.399
Carbontetrachloride	58	0	0.300	0.610	0.660	0.700	0.780	0.900	0.270	0.646	0.124
Chlorobenzene	58	58									
Chloroethane	58	1	0.050	0.060	0.080	0.090	0.100	0.160	0.050	0.078	0.019
Chloroform	58	0	0.070	0.110	0.140	0.180	0.260	0.470	0.060	0.158	0.079
Chloromethane	58	0	1.020	1.190	1.470	2.980	5.740	12.170	0.850	2.511	2.232
cis-1,2-Dichloroethylene	58	42	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
cis-1,2-Dimethylcyclohexane	58	35	0.050	0.050	0.050	0.070	0.080	0.130	0.050	0.059	0.016
cis-1,3-Dichloropropene	58	58									
cis-1,3-Dimethylcyclohexane	58	16	0.050	0.050	0.060	0.190	0.240	0.440	0.050	0.119	0.095
cis-1,4/t-1,3-Dimethylcyclohexane	58	38	0.050	0.050	0.050	0.070	0.090	0.140	0.050	0.062	0.022
cis-2-Butene	58	0	0.050	0.080	0.180	0.390	0.700	1.180	0.050	0.289	0.291
cis-2-Heptene	58	11	0.050	0.050	0.070	0.110	0.160	0.200	0.050	0.089	0.042
cis-2-Hexene	58	30	0.050	0.050	0.050	0.080	0.120	0.300	0.050	0.071	0.043
cis-2-Octene	1	1									
cis-2-Pentene	58	0	0.060	0.100	0.140	0.260	0.460	0.900	0.050	0.206	0.169
cis-3-Methyl-2-pentene	58	23	0.050	0.050	0.060	0.100	0.140	0.410	0.050	0.085	0.064
cis-4-Methyl-2-pentene	58	52	0.050	0.050	0.050	0.050	0.060	0.260	0.050	0.057	0.030
Cyclohexane	58	0	0.060	0.140	0.470	2.040	7.110	13.810	0.060	1.827	2.893
Cyclohexene	58	31	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.053	0.008
Cyclopentane	58	0	0.080	0.180	0.310	0.900	1.340	2.540	0.070	0.549	0.552
Cyclopentene	58	24	0.050	0.050	0.050	0.080	0.090	0.200	0.050	0.067	0.031
Decane	58	1	0.100	0.140	0.220	0.630	0.760	1.620	0.050	0.372	0.308
Dibromochloromethane	58	8	0.050	0.050	0.060	0.070	0.090	0.090	0.050	0.062	0.013
Dibromomethane	58	1	0.050	0.080	0.090	0.100	0.130	0.150	0.050	0.096	0.021
Dichloromethane	58	0	0.240	0.310	0.430	0.640	1.040	3.190	0.190	0.581	0.484
Dodecane	58	2	0.060	0.100	0.190	0.370	0.430	0.780	0.050	0.229	0.168
EDB	58	7	0.050	0.050	0.060	0.060	0.080	0.090	0.050	0.059	0.012
Ethane	58	0	2.002	3.674	5.245	8.471	13.346	17.050	1.322	6.349	4.033

Table 49: VOC Annual Statistics at Sarnia (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbenzene	58	0	0.190	0.320	0.580	1.140	1.690	4.390	0.170	0.828	0.728
Ethylbromide	58	54	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
Ethylene	58	0	0.783	1.340	2.813	7.353	12.399	47.519	0.548	5.747	7.570
Freon11	58	0	1.510	1.630	1.720	1.850	2.000	2.130	1.440	1.753	0.161
Freon114	58	0	0.170	0.210	0.220	0.250	0.260	0.290	0.160	0.225	0.031
Freon12	58	0	2.440	2.890	3.160	3.490	3.920	5.570	2.100	3.241	0.591
Freon22	58	0	0.500	0.590	0.650	0.770	0.840	0.910	0.380	0.673	0.119
Heptane	58	0	0.180	0.280	0.450	0.980	1.520	2.080	0.150	0.647	0.506
Hexachlorobutadiene	58	58									
Hexane	58	0	0.350	0.700	1.050	3.070	5.120	15.390	0.280	2.178	2.544
Hexylbenzene	46	18	0.050	0.050	0.070	0.120	0.170	0.850	0.050	0.117	0.158
Indane	58	5	0.050	0.060	0.090	0.140	0.190	0.530	0.050	0.109	0.074
Isobutane	58	0	0.470	1.540	2.290	6.470	10.670	15.530	0.270	4.154	4.031
iso-Butylbenzene	58	46	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.052	0.007
Isopentane	58	0	1.100	2.280	3.940	9.970	17.060	26.380	0.920	6.729	6.283
Isoprene	58	5	0.050	0.080	0.150	0.380	0.660	1.210	0.050	0.251	0.242
iso-Propylbenzene	58	12	0.050	0.050	0.070	0.100	0.120	0.300	0.050	0.081	0.045
m and p-Xylene	58	0	0.440	0.890	1.400	2.920	4.530	11.630	0.400	2.101	1.857
Methylcyclohexane	58	0	0.090	0.160	0.240	0.730	1.050	1.800	0.080	0.447	0.410
Methylcyclopentane	58	0	0.140	0.310	0.550	1.390	2.190	4.920	0.120	0.886	0.910
n-Butylbenzene	58	16	0.050	0.050	0.050	0.070	0.110	0.260	0.050	0.069	0.035
Nonane	58	0	0.080	0.110	0.190	0.520	0.600	1.780	0.050	0.310	0.287
n-Propylbenzene	58	1	0.070	0.090	0.140	0.250	0.350	1.010	0.050	0.189	0.149
Octane	58	0	0.080	0.130	0.210	0.620	0.760	1.540	0.060	0.371	0.322
o-Xylene	58	0	0.160	0.310	0.500	1.000	1.280	3.850	0.140	0.694	0.582
p-Cymene	58	18	0.050	0.050	0.060	0.090	0.170	0.190	0.050	0.081	0.043
Pentane	58	0	0.680	1.280	2.150	5.030	8.550	13.790	0.560	3.552	3.302
Propane	58	0	1.550	3.510	5.780	12.590	24.480	35.180	0.810	9.144	8.310
Propylene	58	0	0.260	0.550	1.200	3.120	4.870	9.040	0.160	2.109	2.084
sec-Butylbenzene	58	39	0.050	0.050	0.050	0.050	0.070	0.110	0.050	0.055	0.013
Styrene	58	1	0.060	0.090	0.130	0.310	0.530	5.560	0.050	0.301	0.722

Table 49: VOC Annual Statistics at Sarnia (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
tert-Butylbenzene	58	58									
Tetrachloroethylene	58	0	0.110	0.170	0.230	0.410	0.770	3.100	0.090	0.374	0.461
Toluene	58	0	0.850	1.520	2.780	6.490	9.050	27.240	0.700	4.297	4.214
trans-1,2-Dichloroethylene	58	55	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	58	28	0.050	0.050	0.050	0.150	0.180	0.380	0.050	0.095	0.068
trans-1,3-Dichloropropene	58	58									
trans-1,4-Dimethylcyclohexane	58	37	0.050	0.050	0.050	0.080	0.110	0.190	0.050	0.068	0.032
trans-2-Butene	58	1	0.050	0.090	0.190	0.370	0.790	1.580	0.050	0.316	0.331
trans-2-Heptene	58	42	0.050	0.050	0.050	0.050	0.060	0.130	0.050	0.053	0.011
trans-2-Hexene	58	26	0.050	0.050	0.050	0.100	0.150	0.350	0.050	0.080	0.054
trans-2-Pentene	58	2	0.050	0.100	0.160	0.390	0.660	1.360	0.050	0.259	0.254
trans-3-Heptene	58	57	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
trans-3-Methyl-2-pentene	58	32	0.050	0.050	0.050	0.080	0.120	0.360	0.050	0.075	0.052
trans-4-Methyl-2-pentene	58	57	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Trichloroethylene	58	0	0.060	0.100	0.130	0.160	0.240	0.380	0.050	0.143	0.073
Undecane	58	1	0.080	0.150	0.270	0.510	0.700	0.900	0.050	0.333	0.223
Vinylchloride	58	41	0.050	0.050	0.050	0.050	0.110	0.340	0.050	0.067	0.050

Notes:

-VOC sites are operated by Environment Canada.

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane	41	0	0.280	0.310	0.350	0.380	0.420	0.560	0.280	0.356	0.061
1,1,2,2-Tetrachloroethane	41	8	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.056	0.009
1,1,2-Trichloroethane	41	26	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethane	41	38	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	41	4	0.050	0.050	0.060	0.070	0.080	0.080	0.050	0.062	0.010
1,2,3-Trimethylbenzene	41	7	0.050	0.050	0.070	0.080	0.110	0.190	0.050	0.076	0.033
1,2,4-Trichlorobenzene	41	37	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.053	0.010
1,2,4-Trimethylbenzene	41	0	0.120	0.150	0.230	0.280	0.410	1.050	0.110	0.260	0.166
1,2-Dichlorobenzene	41	38	0.050	0.050	0.050	0.050	0.050	0.610	0.050	0.064	0.087
1,2-Dichloroethane	41	2	0.050	0.070	0.070	0.080	0.090	0.110	0.050	0.074	0.015
1,2-Dichloropropane	41	30	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,2-Diethylbenzene	41	41									
1,3,5-Trimethylbenzene	41	5	0.050	0.060	0.080	0.090	0.120	0.440	0.050	0.090	0.064
1,3-Butadiene	41	14	0.050	0.050	0.050	0.060	0.090	0.100	0.050	0.060	0.016
1,3-Dichlorobenzene	41	39	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,3-Diethylbenzene	41	34	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,4-Dichlorobenzene	41	16	0.050	0.050	0.050	0.060	0.070	0.160	0.050	0.060	0.021
1,4-Dichlorobutane	41	41									
1,4-Diethylbenzene	41	5	0.050	0.070	0.080	0.090	0.120	0.150	0.050	0.082	0.025
1-Butene/Isobutene	41	0	0.170	0.240	0.300	0.350	0.420	1.130	0.150	0.320	0.153
1-Butyne	41	41									
1-Decene	39	19	0.050	0.050	0.050	0.060	0.070	0.510	0.050	0.068	0.075
1-Heptene	41	12	0.050	0.050	0.050	0.070	0.080	0.560	0.050	0.073	0.080
1-Hexene	41	1	0.070	0.110	0.140	0.170	0.200	0.750	0.050	0.153	0.104
1-Methylcyclohexene	41	24	0.050	0.050	0.050	0.050	0.060	0.090	0.050	0.052	0.007
1-Methylcyclopentene	41	35	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.006
1-Nonene	41	32	0.050	0.050	0.050	0.050	0.060	0.510	0.050	0.064	0.072
1-Octene	41	29	0.050	0.050	0.050	0.050	0.060	0.520	0.050	0.064	0.074
1-Pentene	41	2	0.050	0.070	0.080	0.090	0.110	0.590	0.050	0.093	0.083
1-Propyne	41	31	0.050	0.050	0.050	0.050	0.070	0.070	0.050	0.053	0.007
2,2,3-Trimethylbutane	41	40	0.050	0.050	0.050	0.050	0.050	0.130	0.050	0.052	0.012

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	41	0	0.100	0.150	0.210	0.290	0.370	0.440	0.080	0.226	0.097
2,2,5-Trimethylhexane	41	41									
2,2-Dimethylbutane	41	1	0.060	0.080	0.120	0.130	0.150	0.170	0.050	0.109	0.034
2,2-Dimethylhexane	41	41									
2,2-Dimethylpentane	41	38	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
2,2-Dimethylpropane	41	23	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.007
2,3,4-Trimethylpentane	41	6	0.050	0.050	0.080	0.110	0.140	0.170	0.050	0.084	0.035
2,3-Dimethylbutane	41	1	0.050	0.090	0.110	0.160	0.190	0.320	0.050	0.125	0.059
2,3-Dimethylpentane	41	2	0.050	0.080	0.100	0.130	0.160	0.250	0.050	0.107	0.044
2,4-Dimethylhexane	41	11	0.050	0.050	0.050	0.070	0.090	0.110	0.050	0.062	0.017
2,4-Dimethylpentane	41	12	0.050	0.050	0.060	0.080	0.100	0.130	0.050	0.069	0.022
2,5-Dimethylbenzaldehyde	33	33									
2,5-Dimethylhexane	41	28	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.007
2-Ethyl-1-butene	41	40	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
2-Ethyltoluene	41	5	0.050	0.050	0.080	0.090	0.130	0.280	0.050	0.083	0.042
2-methyl-1-butene	41	9	0.050	0.050	0.070	0.090	0.110	0.150	0.050	0.078	0.027
2-Methyl-2-butene	41	2	0.050	0.060	0.070	0.090	0.130	0.200	0.050	0.084	0.037
2-Methylheptane	41	6	0.050	0.060	0.080	0.100	0.130	0.160	0.050	0.086	0.031
2-Methylhexane	41	0	0.080	0.100	0.120	0.190	0.260	0.490	0.070	0.154	0.083
2-Methylpentane	41	0	0.170	0.300	0.410	0.640	0.730	0.990	0.160	0.452	0.218
3,6-Dimethyloctane	41	40	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
3-Ethyltoluene	41	0	0.070	0.100	0.140	0.180	0.270	0.780	0.060	0.167	0.119
3-Methyl-1-pentene	41	39	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
3-Methylheptane	41	11	0.050	0.050	0.060	0.070	0.100	0.130	0.050	0.067	0.021
3-Methylhexane	41	0	0.070	0.120	0.150	0.210	0.270	0.630	0.070	0.177	0.104
3-Methylpentane	41	0	0.140	0.190	0.270	0.370	0.510	0.590	0.120	0.299	0.131
4-Ethyltoluene	41	2	0.060	0.080	0.110	0.130	0.170	0.440	0.050	0.116	0.066
4-Methyl-1-pentene	41	36	0.050	0.050	0.050	0.050	0.050	0.150	0.050	0.053	0.016
4-Methylheptane	41	34	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
Acetaldehyde	33	0	0.516	0.660	1.072	2.058	4.882	8.393	0.502	1.984	2.167
Acetone	33	0	1.225	1.895	2.536	3.617	15.345	24.967	0.803	4.810	5.797

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Acetylene	41	0	0.445	0.592	1.010	1.419	1.839	2.086	0.288	1.073	0.519
Acrolein	33	21	0.050	0.050	0.050	0.063	0.096	0.179	0.050	0.062	0.027
Benzaldehyde	33	5	0.050	0.060	0.081	0.185	0.540	1.151	0.050	0.190	0.255
Benzene	41	0	0.260	0.360	0.560	0.760	0.940	1.100	0.220	0.585	0.254
Bromodichloromethane	41	4	0.050	0.060	0.060	0.070	0.080	0.140	0.050	0.065	0.016
Bromoform	41	8	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.057	0.010
Bromomethane	41	0	0.090	0.130	0.140	0.160	0.200	2.060	0.060	0.196	0.302
Butane	41	0	0.430	0.690	1.660	2.650	3.550	4.730	0.370	1.822	1.126
Carbontetrachloride	41	0	0.590	0.680	0.710	0.740	0.790	0.870	0.470	0.707	0.086
Chlorobenzene	41	21	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
Chloroethane	41	5	0.050	0.060	0.070	0.080	0.080	0.310	0.050	0.073	0.040
Chloroform	41	0	0.090	0.100	0.110	0.120	0.130	0.150	0.080	0.111	0.015
Chloromethane	41	0	0.980	1.110	1.190	1.230	1.320	1.480	0.900	1.179	0.128
cis-1,2-Dichloroethylene	41	38	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
cis-1,2-Dimethylcyclohexane	41	41									
cis-1,3-Dichloropropene	41	30	0.050	0.050	0.050	0.070	0.350	8.970	0.050	0.322	1.390
cis-1,3-Dimethylcyclohexane	41	27	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.053	0.007
cis-1,4/t-1,3-Dimethylcyclohexane	41	41									
cis-2-Butene	41	15	0.050	0.050	0.050	0.070	0.090	0.100	0.050	0.060	0.015
cis-2-Heptene	41	25	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.007
cis-2-Hexene	41	41									
cis-2-Pentene	41	7	0.050	0.060	0.060	0.070	0.080	0.110	0.050	0.066	0.014
cis-3-Methyl-2-pentene	41	41									
cis-4-Methyl-2-pentene	41	41									
Crotonaldehyde	33	28	0.050	0.050	0.050	0.050	0.085	0.208	0.050	0.061	0.034
Cyclohexane	41	9	0.050	0.050	0.080	0.130	0.180	0.450	0.050	0.113	0.089
Cyclohexene	41	32	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.007
Cyclopentane	41	4	0.050	0.070	0.090	0.130	0.150	0.170	0.050	0.098	0.037
Cyclopentene	41	38	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.050	0.003
Decane	41	0	0.080	0.100	0.150	0.200	0.280	0.610	0.060	0.179	0.107
Dibromochloromethane	41	5	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.057	0.010

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES					Max.	Min.	Mean	Std. Dev.
			5%	25%	50%	75%	90%				
Dibromomethane	41	3	0.050	0.090	0.100	0.110	0.120	0.140	0.050	0.098	0.020
Dichloromethane	41	0	0.200	0.250	0.300	0.380	0.690	1.730	0.180	0.399	0.323
Dodecane	41	0	0.050	0.080	0.110	0.140	0.170	0.350	0.050	0.116	0.057
EDB	41	9	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.056	0.008
Ethane	41	0	1.171	1.856	2.927	3.561	4.606	6.997	1.081	3.000	1.423
Ethylbenzene	41	0	0.120	0.170	0.220	0.300	0.490	0.830	0.100	0.275	0.161
Ethylbromide	41	39	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	41	0	0.326	0.468	0.678	1.062	1.455	5.072	0.301	0.898	0.800
Formaldehyde	33	0	0.592	1.042	1.545	4.007	8.590	16.657	0.564	3.402	4.051
Freon11	41	0	1.550	1.710	1.780	1.910	2.030	2.450	1.470	1.820	0.206
Freon114	41	0	0.150	0.210	0.220	0.250	0.270	0.300	0.120	0.224	0.039
Freon12	41	0	2.410	2.680	2.760	2.880	3.090	4.180	2.220	2.837	0.344
Freon22	41	0	0.520	0.580	0.630	0.690	0.810	1.280	0.450	0.677	0.173
Heptane	41	0	0.090	0.150	0.190	0.240	0.300	0.630	0.070	0.209	0.107
Hexachlorobutadiene	41	39	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Hexanal	33	7	0.050	0.056	0.115	0.197	0.637	0.885	0.050	0.207	0.244
Hexane	41	0	0.160	0.250	0.360	0.480	0.650	1.360	0.130	0.401	0.221
Hexylbenzene	32	16	0.050	0.050	0.060	0.100	0.110	0.730	0.050	0.109	0.163
Indane	41	21	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.056	0.010
Isobutane	41	0	0.230	0.330	0.720	1.110	1.480	1.900	0.170	0.811	0.483
iso-Butylbenzene	41	41									
Isopentane	41	0	0.570	0.810	1.120	1.800	2.070	3.530	0.470	1.310	0.644
Isoprene	41	12	0.050	0.050	0.060	0.240	0.450	0.820	0.050	0.186	0.227
iso-Propylbenzene	41	30	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.052	0.006
m and p-Xylene	41	0	0.270	0.380	0.540	0.750	1.110	2.300	0.220	0.657	0.427
MEK	33	0	0.336	0.520	0.652	1.075	2.430	5.314	0.236	1.182	1.258
Methylcyclohexane	41	4	0.050	0.060	0.090	0.130	0.180	0.260	0.050	0.107	0.054
Methylcyclopentane	41	0	0.070	0.120	0.150	0.220	0.290	0.440	0.070	0.175	0.083
MIBK	33	26	0.050	0.050	0.050	0.050	0.108	0.838	0.050	0.095	0.159
m-Tolualdehyde	33	33									
n-Butylbenzene	41	37	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre (µg/m³)

Compounds	# of Samples	No. < Dl.	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Nonane	41	3	0.050	0.070	0.090	0.130	0.180	0.430	0.050	0.110	0.071
n-Propylbenzene	41	5	0.050	0.060	0.070	0.090	0.120	0.240	0.050	0.081	0.038
Octane	41	4	0.050	0.070	0.100	0.130	0.150	0.280	0.050	0.108	0.048
o-Tolualdehyde	33	33									
o-Xylene	41	0	0.110	0.140	0.210	0.290	0.410	0.670	0.080	0.238	0.131
p-Cymene	41	16	0.050	0.050	0.050	0.070	0.090	0.230	0.050	0.067	0.035
Pentane	41	0	0.350	0.560	0.670	1.040	1.190	1.310	0.290	0.764	0.295
Propane	41	0	0.660	1.120	2.000	3.280	4.310	5.500	0.620	2.301	1.311
Propionaldehyde	33	0	0.127	0.167	0.259	0.488	1.309	1.712	0.116	0.458	0.458
Propylene	41	0	0.140	0.180	0.230	0.350	0.530	2.220	0.130	0.334	0.338
p-Tolualdehyde	33	33									
sec-Butylbenzene	41	41									
Styrene	41	10	0.050	0.050	0.060	0.070	0.090	0.340	0.050	0.071	0.048
tert-Butylbenzene	41	41									
Tetrachloroethylene	41	1	0.080	0.120	0.150	0.180	0.190	0.530	0.050	0.166	0.091
Toluene	40	0	0.610	0.760	0.980	1.700	2.030	10.510	0.470	1.546	1.889
trans-1,2-Dichloroethylene	41	41									
trans-1,2-Dimethylcyclohexane	41	38	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,3-Dichloropropene	41	30	0.050	0.050	0.050	0.070	0.280	7.780	0.050	0.285	1.205
trans-1,4-Dimethylcyclohexane	41	41									
trans-2-Butene	41	15	0.050	0.050	0.050	0.070	0.080	0.110	0.050	0.060	0.017
trans-2-Heptene	41	40	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
trans-2-Hexene	41	40	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-2-Pentene	41	24	0.050	0.050	0.050	0.050	0.070	0.100	0.050	0.056	0.013
trans-3-Heptene	41	41									
trans-3-Methyl-2-pentene	41	41									
trans-4-Methyl-2-pentene	41	41									
Trichloroethylene	41	3	0.050	0.080	0.090	0.110	0.130	0.180	0.050	0.095	0.032
Undecane	41	0	0.090	0.110	0.150	0.190	0.240	0.490	0.080	0.164	0.076

Table 50: VOC Annual Statistics at Simcoe (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Valeraldehyde	33	9	0.050	0.050	0.086	0.163	0.536	0.925	0.050	0.174	0.221
Vinylchloride	41	40	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000

Notes:

-VOC sites are operated by Environment Canada.

Table 51: VOC Annual Statistics at Stouffville (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.270	0.330	0.360	0.390	0.440	0.530	0.220	0.365	0.056
1,1,2,2-Tetrachloroethane	54	9	0.050	0.050	0.060	0.060	0.080	0.090	0.050	0.059	0.011
1,1,2-Trichloroethane	54	25	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.051	0.004
1,1-Dichloroethane	54	43	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,1-Dichloroethylene	54	3	0.050	0.050	0.060	0.070	0.080	0.090	0.050	0.065	0.013
1,2,3-Trimethylbenzene	54	1	0.050	0.070	0.080	0.130	0.170	0.400	0.050	0.114	0.082
1,2,4-Trichlorobenzene	54	54									
1,2,4-Trimethylbenzene	54	0	0.160	0.210	0.290	0.480	0.670	1.560	0.150	0.402	0.326
1,2-Dichlorobenzene	54	52	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1,2-Dichloroethane	54	2	0.050	0.060	0.080	0.090	0.100	0.110	0.050	0.076	0.017
1,2-Dichloropropane	54	33	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Diethylbenzene	54	53	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,3,5-Trimethylbenzene	54	0	0.050	0.070	0.090	0.150	0.210	0.500	0.050	0.131	0.102
1,3-Butadiene	54	3	0.050	0.060	0.070	0.100	0.190	0.250	0.050	0.091	0.053
1,3-Dichlorobenzene	54	53	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
1,3-Diethylbenzene	54	36	0.050	0.050	0.050	0.050	0.060	0.110	0.050	0.055	0.013
1,4-Dichlorobenzene	54	3	0.050	0.060	0.070	0.110	0.140	0.240	0.050	0.085	0.040
1,4-Dichlorobutane	54	54									
1,4-Diethylbenzene	54	2	0.050	0.070	0.100	0.120	0.180	0.330	0.050	0.111	0.062
1-Butene/Isobutene	54	0	0.220	0.330	0.450	0.640	1.130	3.220	0.180	0.646	0.602
1-Butyne	54	54									
1-Decene	54	9	0.050	0.050	0.070	0.080	0.110	0.600	0.050	0.083	0.077
1-Heptene	54	3	0.050	0.070	0.080	0.150	0.220	0.650	0.050	0.120	0.099
1-Hexene	54	0	0.100	0.140	0.160	0.210	0.290	0.850	0.060	0.193	0.112
1-Methylcyclohexene	54	23	0.050	0.050	0.050	0.060	0.070	0.100	0.050	0.055	0.010
1-Methylcyclopentene	54	28	0.050	0.050	0.050	0.060	0.090	0.240	0.050	0.062	0.032
1-Nonene	54	38	0.050	0.050	0.050	0.050	0.070	0.560	0.050	0.063	0.070
1-Octene	54	30	0.050	0.050	0.050	0.050	0.060	0.610	0.050	0.062	0.076
1-Pentene	54	0	0.060	0.080	0.100	0.140	0.270	1.100	0.060	0.160	0.174
1-Propyne	54	29	0.050	0.050	0.050	0.060	0.110	0.150	0.050	0.063	0.027
2,2,3-Trimethylbutane	54	53	0.050	0.050	0.050	0.050	0.050	0.160	0.050	0.052	0.015

Table 51: VOC Annual Statistics at Stouffville (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	54	0	0.170	0.200	0.300	0.590	1.040	1.490	0.110	0.445	0.334
2,2,5-Trimethylhexane	54	46	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.052	0.006
2,2-Dimethylbutane	54	0	0.070	0.100	0.130	0.170	0.320	0.8. J	0.050	0.165	0.129
2,2-Dimethylhexane	54	49	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.001
2,2-Dimethylpentane	54	35	0.050	0.050	0.050	0.050	0.090	0.180	0.050	0.060	0.025
2,2-Dimethylpropane	54	24	0.050	0.050	0.050	0.060	0.090	0.160	0.050	0.061	0.025
2,3,4-Trimethylpentane	54	1	0.060	0.070	0.100	0.200	0.290	0.460	0.050	0.142	0.094
2,3-Dimethylbutane	54	0	0.090	0.120	0.160	0.290	0.650	2.210	0.080	0.303	0.397
2,3-Dimethylpentane	54	0	0.080	0.110	0.140	0.230	0.400	0.910	0.060	0.197	0.157
2,4-Dimethylhexane	54	4	0.050	0.060	0.080	0.140	0.200	0.240	0.050	0.106	0.058
2,4-Dimethylpentane	54	3	0.050	0.060	0.070	0.130	0.230	0.640	0.050	0.114	0.108
2,5-Dimethylhexane	54	16	0.050	0.050	0.060	0.100	0.150	0.220	0.050	0.082	0.044
2-Ethyl-1-butene	54	48	0.050	0.050	0.050	0.050	0.050	0.230	0.050	0.056	0.028
2-Ethyltoluene	54	0	0.050	0.070	0.090	0.140	0.200	0.450	0.050	0.120	0.089
2-methyl-1-butene	54	0	0.060	0.100	0.120	0.220	0.410	2.420	0.050	0.224	0.343
2-Methyl-2-butene	54	0	0.070	0.100	0.130	0.290	0.530	4.120	0.060	0.328	0.630
2-Methylheptane	54	0	0.060	0.090	0.120	0.200	0.330	0.550	0.050	0.165	0.112
2-Methylhexane	54	0	0.120	0.170	0.220	0.410	0.820	1.150	0.110	0.334	0.263
2-Methylpentane	54	0	0.260	0.440	0.600	1.120	2.150	6.560	0.230	1.041	1.212
3,6-Dimethyloctane	54	49	0.050	0.050	0.050	0.050	0.050	0.080	0.050	0.051	0.005
3-Ethyltoluene	54	0	0.100	0.140	0.190	0.290	0.430	1.070	0.090	0.258	0.216
3-Methyl-1-pentene	54	41	0.050	0.050	0.050	0.050	0.060	0.160	0.050	0.055	0.016
3-Methylheptane	54	0	0.050	0.070	0.090	0.180	0.230	0.450	0.050	0.132	0.095
3-Methylhexane	54	0	0.150	0.200	0.270	0.500	0.990	1.350	0.110	0.405	0.317
3-Methylpentane	54	0	0.190	0.290	0.370	0.670	1.560	4.170	0.180	0.650	0.743
4-Ethyltoluene	54	0	0.070	0.100	0.130	0.190	0.250	0.540	0.060	0.160	0.106
4-Methyl-1-pentene	54	36	0.050	0.050	0.050	0.050	0.070	0.140	0.050	0.056	0.017
4-Methylheptane	54	30	0.050	0.050	0.050	0.080	0.120	0.200	0.050	0.071	0.038
Acetylene	54	0	0.521	0.727	1.261	1.859	3.136	4.075	0.458	1.536	1.000
Benzene	54	0	0.290	0.460	0.640	0.840	1.480	2.520	0.270	0.780	0.503
Bromodichloromethane	54	3	0.050	0.060	0.070	0.100	0.120	0.180	0.050	0.082	0.027

Table 51: VOC Annual Statistics at Stouffville (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Bromoform	54	10	0.050	0.050	0.060	0.060	0.070	0.090	0.050	0.059	0.010
Bromomethane	54	0	0.110	0.140	0.150	0.170	0.180	0.200	0.070	0.151	0.026
Butane	54	0	0.500	1.140	1.960	3.590	11.190	71.820	0.420	5.368	10.943
Carbontetrachloride	54	0	0.600	0.660	0.690	0.750	0.830	0.910	0.490	0.707	0.080
Chlorobenzene	54	54									
Chloroethane	54	2	0.060	0.070	0.090	0.110	0.130	0.180	0.050	0.092	0.028
Chloroform	54	0	0.080	0.100	0.110	0.130	0.150	0.190	0.070	0.117	0.024
Chloromethane	54	0	0.910	1.120	1.180	1.250	1.360	1.620	0.890	1.183	0.141
cis-1,2-Dichloroethylene	54	46	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	54	33	0.050	0.050	0.050	0.050	0.100	0.270	0.050	0.065	0.043
cis-1,3-Dichloropropene	54	53	0.050	0.050	0.050	0.050	0.050	0.100	0.050	0.051	0.007
cis-1,3-Dimethylcyclohexane	54	20	0.050	0.050	0.060	0.080	0.160	0.360	0.050	0.087	0.070
cis-1,4/t-1,3-Dimethylcyclohexane	54	49	0.050	0.050	0.050	0.050	0.050	0.120	0.050	0.054	0.014
cis-2-Butene	54	3	0.050	0.060	0.080	0.150	0.350	2.030	0.050	0.200	0.349
cis-2-Heptene	54	35	0.050	0.050	0.050	0.050	0.060	0.080	0.050	0.052	0.006
cis-2-Hexene	54	43	0.050	0.050	0.050	0.050	0.070	0.230	0.050	0.057	0.027
cis-2-Pentene	54	2	0.050	0.070	0.090	0.140	0.250	1.470	0.050	0.151	0.217
cis-3-Methyl-2-pentene	54	39	0.050	0.050	0.050	0.050	0.080	0.300	0.050	0.061	0.039
cis-4-Methyl-2-pentene	54	53	0.050	0.050	0.050	0.050	0.050	0.210	0.050	0.053	0.022
Cyclohexane	54	2	0.060	0.080	0.100	0.200	0.380	1.740	0.050	0.183	0.249
Cyclohexene	54	38	0.050	0.050	0.050	0.050	0.060	0.120	0.050	0.052	0.010
Cyclopentane	54	0	0.070	0.110	0.140	0.250	0.540	1.530	0.060	0.251	0.308
Cyclopentene	54	35	0.050	0.050	0.050	0.050	0.080	0.210	0.050	0.060	0.029
Decane	54	0	0.080	0.100	0.190	0.300	0.470	0.930	0.070	0.244	0.189
Dibromochloromethane	54	7	0.050	0.050	0.060	0.070	0.080	0.090	0.050	0.061	0.011
Dibromomethane	54	2	0.070	0.090	0.100	0.120	0.120	0.150	0.050	0.101	0.020
Dichloromethane	54	0	0.190	0.290	0.390	0.620	1.590	2.890	0.180	0.610	0.603
Dodecane	54	3	0.050	0.070	0.110	0.170	0.240	0.420	0.050	0.131	0.080
EDB	54	4	0.050	0.050	0.060	0.060	0.070	0.080	0.050	0.058	0.010
Ethane	54	0	1.079	1.598	2.616	3.673	5.656	7.750	0.342	2.889	1.611
Ethylbenzene	54	0	0.170	0.240	0.350	0.660	0.930	2.430	0.120	0.526	0.503

Table 51: VOC Annual Statistics at Stouffville (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Ethylbromide	54	51	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	54	0	0.529	0.616	0.964	1.414	2.824	7.082	0.366	1.362	1.196
Freon11	54	0	1.580	1.660	1.780	1.950	2.090	2.210	1.260	1.810	0.187
Freon114	54	0	0.170	0.220	0.230	0.260	0.280	0.300	0.110	0.234	0.037
Freon12	54	0	2.490	2.620	2.790	2.990	3.120	3.340	2.310	2.814	0.238
Freon22	54	0	0.500	0.590	0.650	0.690	0.870	1.050	0.470	0.666	0.122
Heptane	54	0	0.150	0.230	0.350	0.530	0.990	1.800	0.120	0.461	0.340
Hexachlorobutadiene	54	54									
Hexane	54	0	0.210	0.320	0.430	0.830	1.500	3.990	0.200	0.704	0.715
Hexylbenzene	38	19	0.050	0.050	0.050	0.090	0.730	0.790	0.050	0.138	0.218
Indane	54	12	0.050	0.050	0.060	0.070	0.100	0.200	0.050	0.069	0.034
Isobutane	54	0	0.240	0.470	0.900	1.420	3.920	35.700	0.190	2.139	4.971
iso-Butylbenzene	54	50	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
Isopentane	54	0	0.710	1.210	1.570	2.650	6.080	36.770	0.600	3.567	6.255
Isoprene	54	6	0.050	0.060	0.110	0.230	0.340	0.580	0.050	0.162	0.138
iso-Propylbenzene	54	20	0.050	0.050	0.050	0.060	0.070	0.140	0.050	0.060	0.020
m and p-Xylene	54	0	0.380	0.610	0.920	1.690	2.620	7.080	0.320	1.474	1.519
Methylcyclohexane	54	0	0.080	0.130	0.220	0.400	0.860	3.600	0.050	0.425	0.592
Methylcyclopentane	54	0	0.120	0.180	0.220	0.390	0.730	1.860	0.100	0.363	0.378
n-Butylbenzene	54	38	0.050	0.050	0.050	0.050	0.060	0.100	0.050	0.054	0.011
Nonane	54	0	0.060	0.080	0.130	0.230	0.320	0.500	0.050	0.169	0.113
n-Propylbenzene	54	1	0.050	0.070	0.090	0.130	0.180	0.390	0.050	0.112	0.075
Octane	54	0	0.070	0.090	0.130	0.190	0.350	0.740	0.060	0.175	0.140
o-Xylene	54	0	0.140	0.200	0.310	0.540	0.780	1.960	0.120	0.446	0.407
p-Cymene	54	17	0.050	0.050	0.070	0.090	0.120	0.480	0.050	0.083	0.062
Pentane	54	0	0.510	0.760	1.030	1.710	3.570	14.410	0.400	1.941	2.685
Propane	54	0	0.830	1.590	2.320	3.460	6.090	22.170	0.600	3.222	3.257
Propylene	54	0	0.190	0.270	0.340	0.530	1.050	3.180	0.170	0.508	0.488
sec-Butylbenzene	54	48	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
Styrene	54	6	0.050	0.060	0.090	0.160	0.230	0.550	0.050	0.129	0.119
tert-Butylbenzene	54	54									

Table 51: VOC Annual Statistics at Stouffville (2000)

Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Tetrachloroethylene	54	0	0.140	0.180	0.260	0.400	0.630	2.090	0.080	0.353	0.318
Toluene	54	0	0.930	1.400	1.800	3.050	5.480	10.250	0.740	2.724	2.320
trans-1,2-Dichloroethylene	54	50	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,2-Dimethylcyclohexane	54	33	0.050	0.050	0.050	0.050	0.090	0.240	0.050	0.065	0.040
trans-1,3-Dichloropropene	54	53	0.050	0.050	0.050	0.050	0.050	0.090	0.050	0.051	0.005
trans-1,4-Dimethylcyclohexane	54	43	0.050	0.050	0.050	0.050	0.060	0.130	0.050	0.055	0.016
trans-2-Butene	54	3	0.050	0.070	0.090	0.170	0.390	2.330	0.050	0.227	0.414
trans-2-Heptene	54	44	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
trans-2-Hexene	54	41	0.050	0.050	0.050	0.050	0.080	0.250	0.050	0.059	0.032
trans-2-Pentene	54	7	0.050	0.050	0.080	0.140	0.280	2.280	0.050	0.179	0.338
trans-3-Heptene	54	54									
trans-3-Methyl-2-pentene	54	42	0.050	0.050	0.050	0.050	0.070	0.250	0.050	0.058	0.030
trans-4-Methyl-2-pentene	54	54									
Trichloroethylene	54	1	0.050	0.080	0.110	0.160	0.340	0.940	0.050	0.173	0.181
Undecane	54	0	0.070	0.110	0.190	0.300	0.500	0.660	0.060	0.225	0.150
Vinylchloride	54	54									

Notes:

-VOC sites are operated by Environment Canada.

Table 52: VOC Annual Statistics at Windsor (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
1,1,1-Trichloroethane		0	0.280	0.320	0.350	0.390	0.430	1.360	0.270	0.386	0.181
1,1,2,2-Tetrachloroethane	35	13	0.050	0.050	0.050	0.060	0.060	0.070	0.050	0.053	0.005
1,1,2-Trichloroethane	35	22	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.002
1,1-Dichloroethane	35	33	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
1,1-Dichloroethylene	35	6	0.050	0.050	0.060	0.070	0.080	0.100	0.050	0.065	0.013
1,2,3-Trimethylbenzene	35	0	0.090	0.160	0.180	0.290	0.440	0.540	0.090	0.241	0.125
1,2,4-Trichlorobenzene	35	35									
1,2,4-Trimethylbenzene	35	0	0.370	0.590	0.720	1.290	1.990	2.070	0.320	0.962	0.514
1,2-Dichlorobenzene	35	35									
1,2-Dichloroethane	35	1	0.060	0.070	0.090	0.090	0.100	0.120	0.050	0.083	0.015
1,2-Dichloropropane	35	27	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
1,2-Diethylbenzene	35	29	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.050	0.002
1,3,5-Trimethylbenzene	35	0	0.120	0.180	0.230	0.390	0.630	0.770	0.110	0.305	0.171
1,3-Butadiene	35	0	0.080	0.130	0.180	0.250	0.300	0.430	0.070	0.187	0.087
1,3-Dichlorobenzene	35	35									
1,3-Diethylbenzene	35	6	0.050	0.050	0.070	0.090	0.130	0.150	0.050	0.077	0.029
1,4-Dichlorobenzene	35	1	0.060	0.080	0.110	0.140	0.280	1.780	0.050	0.184	0.295
1,4-Dichlorobutane	35	35									
1,4-Diethylbenzene	35	0	0.100	0.150	0.200	0.290	0.380	0.440	0.080	0.218	0.097
1-Butene/Isobutene	35	0	0.330	0.460	0.620	0.930	1.170	2.830	0.330	0.751	0.460
1-Butyne	35	35									
1-Decene	35	8	0.050	0.050	0.060	0.070	0.090	0.170	0.050	0.065	0.024
1-Heptene	35	1	0.050	0.100	0.150	0.200	0.270	0.380	0.050	0.157	0.079
1-Hexene	35	0	0.150	0.190	0.220	0.270	0.320	0.360	0.130	0.234	0.059
1-Methylcyclohexene	35	10	0.050	0.050	0.050	0.060	0.070	0.080	0.050	0.055	0.009
1-Methylcyclopentene	35	5	0.050	0.050	0.070	0.100	0.130	0.160	0.050	0.079	0.033
1-Nonene	35	16	0.050	0.050	0.050	0.060	0.070	0.170	0.050	0.058	0.021
1-Octene	35	20	0.050	0.050	0.050	0.050	0.070	0.080	0.050	0.053	0.008
1-Pentene	35	0	0.100	0.130	0.160	0.250	0.290	0.430	0.100	0.191	0.084
1-Propyne	35	1	0.060	0.070	0.120	0.150	0.180	0.300	0.050	0.117	0.053
2,2,3-Trimethylbutane	35	33	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000

Table 52: VOC Annual Statistics at Windsor (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
2,2,4-Trimethylpentane	35	0	0.230	0.380	0.560	0.860	1.080	1.900	0.210	0.649	0.361
2,2,5-Trimethylhexane	35	12	0.050	0.050	0.050	0.080	0.110	0.170	0.050	0.069	0.029
2,2-Dimethylbutane	35	0	0.150	0.190	0.240	0.330	0.440	0.520	0.140	0.269	0.104
2,2-Dimethylhexane	35	28	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
2,2-Dimethylpentane	35	5	0.050	0.050	0.060	0.100	0.120	0.150	0.050	0.076	0.028
2,2-Dimethylpropane	35	5	0.050	0.050	0.070	0.080	0.090	0.130	0.050	0.069	0.018
2,3,4-Trimethylpentane	35	0	0.100	0.150	0.200	0.300	0.390	0.690	0.080	0.238	0.132
2,3-Dimethylbutane	35	0	0.210	0.300	0.450	0.680	0.840	1.280	0.170	0.514	0.277
2,3-Dimethylpentane	35	0	0.160	0.230	0.290	0.500	0.680	0.980	0.150	0.379	0.201
2,4-Dimethylhexane	35	0	0.080	0.100	0.120	0.200	0.250	0.330	0.070	0.149	0.068
2,4-Dimethylpentane	35	0	0.090	0.140	0.170	0.300	0.390	0.610	0.070	0.225	0.122
2,5-Dimethylbenzaldehyde	31	31									
2,5-Dimethylhexane	35	0	0.060	0.070	0.090	0.160	0.200	0.290	0.050	0.117	0.059
2-Ethyl-1-butene	35	20	0.050	0.050	0.050	0.060	0.090	0.130	0.050	0.058	0.017
2-Ethyltoluene	35	0	0.100	0.150	0.190	0.320	0.450	0.550	0.090	0.244	0.126
2-methyl-1-butene	35	0	0.110	0.150	0.240	0.340	0.500	0.810	0.070	0.278	0.166
2-Methyl-2-butene	35	0	0.140	0.210	0.250	0.510	0.830	1.490	0.120	0.400	0.302
2-Methylheptane	35	0	0.130	0.160	0.190	0.310	0.530	0.670	0.110	0.256	0.142
2-Methylhexane	35	0	0.220	0.340	0.450	0.790	1.150	1.370	0.200	0.591	0.342
2-Methylpentane	35	0	0.680	1.150	1.740	2.480	3.130	4.590	0.590	1.899	0.990
3,6-Dimethyloctane	35	24	0.050	0.050	0.050	0.050	0.070	0.090	0.050	0.055	0.011
3-Ethyltoluene	35	0	0.240	0.350	0.460	0.800	1.160	1.510	0.180	0.594	0.344
3-Methyl-1-pentene	35	17	0.050	0.050	0.050	0.060	0.070	0.100	0.050	0.055	0.010
3-Methylheptane	35	0	0.090	0.130	0.170	0.330	0.470	0.600	0.080	0.231	0.139
3-Methylhexane	35	0	0.270	0.380	0.480	0.870	1.300	1.630	0.250	0.673	0.390
3-Methylpentane	35	0	0.570	0.730	1.150	1.740	2.260	2.950	0.460	1.285	0.667
4-Ethyltoluene	35	0	0.130	0.200	0.250	0.400	0.600	0.740	0.130	0.329	0.170
4-Methyl-1-pentene	35	16	0.050	0.050	0.050	0.060	0.070	0.090	0.050	0.055	0.010
4-Methylheptane	35	4	0.050	0.060	0.080	0.120	0.200	0.270	0.050	0.099	0.058
Acetaldehyde	31	0	0.911	1.403	1.640	2.356	2.685	3.417	0.903	1.841	0.649
Acetone	31	0	1.964	2.633	3.378	4.400	5.355	14.255	1.560	3.806	2.309

Table 52: VOC Annual Statistics at Windsor (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Acetylene	35	0	1.222	2.026	2.850	4.295	5.488	9.131	1.184	3.288	1.651
Acrolein	31	7	0.050	0.051	0.093	0.169	0.219	0.349	0.050	0.120	0.082
Benzaldehyde	31	1	0.064	0.105	0.150	0.246	0.342	0.449	0.050	0.188	0.114
Benzene	35	0	0.700	1.370	1.780	2.770	4.000	5.170	0.620	2.161	1.224
Bromodichloromethane	35	2	0.050	0.070	0.080	0.100	0.110	0.120	0.050	0.081	0.019
Bromoform	35	7	0.050	0.050	0.050	0.060	0.070	0.070	0.050	0.054	0.007
Bromomethane	35	0	0.100	0.140	0.150	0.170	0.170	0.220	0.090	0.151	0.024
Butane	35	0	1.570	3.450	4.960	7.540	9.040	16.430	1.420	5.659	3.223
Carbontetrachloride	35	0	0.640	0.670	0.710	0.790	0.830	0.960	0.390	0.732	0.097
Chlorobenzene	35	34	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Chloroethane	35	1	0.050	0.070	0.080	0.090	0.100	0.100	0.050	0.079	0.014
Chloroform	35	0	0.080	0.110	0.120	0.140	0.200	0.340	0.070	0.134	0.048
Chloromethane	35	0	1.020	1.150	1.250	1.360	1.520	1.930	0.960	1.272	0.191
cis-1,2-Dichloroethylene	35	32	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
cis-1,2-Dimethylcyclohexane	35	24	0.050	0.050	0.050	0.050	0.070	0.130	0.050	0.055	0.015
cis-1,3-Dichloropropene	35	35									
cis-1,3-Dimethylcyclohexane	35	2	0.050	0.060	0.070	0.120	0.180	0.480	0.050	0.104	0.082
cis-1,4/t-1,3-Dimethylcyclohexane	35	24	0.050	0.050	0.050	0.050	0.080	0.180	0.050	0.057	0.024
cis-2-Butene	35	0	0.080	0.110	0.140	0.250	0.350	0.970	0.080	0.200	0.169
cis-2-Heptene	35	22	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
cis-2-Hexene	35	18	0.050	0.050	0.050	0.070	0.100	0.140	0.050	0.064	0.024
cis-2-Pentene	35	0	0.090	0.110	0.140	0.230	0.330	0.510	0.070	0.179	0.100
cis-3-Methyl-2-pentene	35	16	0.050	0.050	0.050	0.080	0.130	0.180	0.050	0.072	0.033
cis-4-Methyl-2-pentene	35	34	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.003
Crotonaldehyde	31	18	0.050	0.050	0.050	0.074	0.149	0.272	0.050	0.078	0.055
Cyclohexane	35	0	0.110	0.170	0.230	0.340	0.600	0.840	0.100	0.291	0.189
Cyclohexene	35	25	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Cyclopentane	35	0	0.140	0.220	0.310	0.430	0.670	1.260	0.130	0.361	0.225
Cyclopentene	35	8	0.050	0.050	0.060	0.080	0.100	0.140	0.050	0.070	0.025
Decane	35	0	0.170	0.230	0.350	0.490	0.650	1.410	0.150	0.403	0.242
Dibromochloromethane	35	9	0.050	0.050	0.050	0.060	0.070	0.070	0.050	0.056	0.007

Table 52: VOC Annual Statistics at Windsor (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Dibromomethane	35	2	0.050	0.090	0.100	0.110	0.130	0.140	0.050	0.097	0.023
Dichloromethane	35	0	0.290	0.350	0.480	0.670	1.270	5.380	0.280	0.744	0.905
Dodecane	35	0	0.090	0.120	0.190	0.290	0.440	0.470	0.090	0.219	0.117
EDB	35	10	0.050	0.050	0.050	0.060	0.060	0.080	0.050	0.056	0.007
Ethane	35	0	3.862	5.960	7.452	10.616	20.128	74.953	3.638	11.708	14.393
Ethylbenzene	35	0	0.370	0.480	0.690	1.220	1.910	2.380	0.320	0.931	0.573
Ethylbromide	35	34	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Ethylene	35	0	1.196	1.877	2.787	3.822	4.501	8.935	0.966	3.066	1.647
Formaldehyde	31	0	1.463	1.788	2.354	2.915	4.157	4.490	0.810	2.555	0.958
Freon11	35	0	1.650	1.750	1.820	1.970	2.140	2.460	1.510	1.878	0.188
Freon114	35	0	0.170	0.210	0.230	0.270	0.280	0.320	0.140	0.237	0.037
Freon12	35	0	2.540	2.690	2.870	3.180	3.290	3.550	2.300	2.931	0.293
Freon22	35	0	0.570	0.630	0.770	0.840	0.960	1.130	0.520	0.761	0.136
Heptane	35	0	0.250	0.330	0.480	0.770	1.040	1.260	0.240	0.573	0.279
Hexachlorobutadiene	35	35									
Hexanal	31	2	0.050	0.116	0.154	0.315	0.760	1.247	0.050	0.279	0.306
Hexane	35	0	0.580	0.830	1.260	2.560	2.980	42.600	0.550	2.728	6.988
Hexylbenzene	27	15	0.050	0.050	0.050	0.060	0.150	0.760	0.050	0.095	0.139
Indane	35	0	0.060	0.100	0.120	0.190	0.350	0.610	0.050	0.163	0.118
Isobutane	35	0	0.960	1.440	2.000	3.320	5.400	7.310	0.820	2.625	1.582
iso-Butylbenzene	35	28	0.050	0.050	0.050	0.050	0.050	0.060	0.050	0.051	0.003
Isopentane	35	0	1.800	2.760	3.850	6.170	8.020	15.230	1.590	4.771	2.952
Isoprene	35	0	0.050	0.090	0.110	0.190	0.380	1.140	0.050	0.189	0.222
iso-Propylbenzene	35	3	0.050	0.050	0.080	0.110	0.140	0.160	0.050	0.082	0.031
m and p-Xylene	35	0	0.950	1.360	1.930	3.520	5.700	7.280	0.900	2.673	1.757
MEK	31	0	0.670	0.793	1.087	1.650	2.484	13.490	0.650	1.826	2.399
Methylcyclohexane	35	0	0.140	0.190	0.260	0.400	0.600	0.770	0.100	0.316	0.175
Methylcyclopentane	35	0	0.270	0.400	0.640	0.940	1.280	7.490	0.240	0.857	1.201
MIBK	31	4	0.050	0.170	0.202	0.298	0.439	1.627	0.050	0.279	0.285
m-Tolualdehyde	31	27	0.050	0.050	0.050	0.050	0.055	0.092	0.050	0.052	0.008
n-Butylbenzene	35	8	0.050	0.050	0.060	0.080	0.120	0.130	0.050	0.071	0.025

Table 52: VOC Annual Statistics at Windsor (2000)

Unit: micrograms per cubic metre (µg/m^3)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Nonane	35	0	0.130	0.160	0.230	0.360	0.450	0.770	0.110	0.280	0.148
n-Propylbenzene	35	0	0.090	0.120	0.170	0.260	0.360	0.450	0.080	0.205	0.106
Octane	35	0	0.140	0.180	0.210	0.350	0.510	0.770	0.130	0.282	0.155
o-Tolualdehyde	31	31									
o-Xylene	35	0	0.310	0.450	0.590	1.180	1.790	2.020	0.300	0.841	0.516
p-Cymene	35	2	0.050	0.060	0.080	0.170	0.510	0.860	0.050	0.172	0.191
Pentane	35	0	1.050	1.590	2.050	3.000	4.240	8.840	0.890	2.521	1.543
Propane	35	0	1.910	3.520	6.180	9.440	17.300	28.280	1.890	8.014	6.207
Propionaldehyde	31	0	0.272	0.379	0.461	0.594	0.689	1.052	0.244	0.499	0.173
Propylene	35	0	0.430	0.560	0.890	1.190	2.040	3.170	0.360	0.997	0.594
p-Tolualdehyde	31	28	0.050	0.050	0.050	0.050	0.050	0.077	0.050	0.052	0.006
sec-Butylbenzene	35	23	0.050	0.050	0.050	0.050	0.060	0.070	0.050	0.052	0.005
Styrene	35	0	0.070	0.110	0.160	0.230	0.320	0.490	0.050	0.187	0.104
tert-Butylbenzene	35	34	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
Tetrachloroethylene	35	0	0.170	0.250	0.390	0.620	0.920	4.930	0.160	0.570	0.793
Toluene	35	0	1.510	2.360	3.360	6.320	12.940	42.370	1.340	6.183	8.009
trans-1,2-Dichloroethylene	35	35									
trans-1,2-Dimethylcyclohexane	35	10	0.050	0.050	0.050	0.090	0.160	0.320	0.050	0.079	0.055
trans-1,3-Dichloropropene	35	34	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.000
trans-1,4-Dimethylcyclohexane	35	23	0.050	0.050	0.050	0.050	0.090	0.180	0.050	0.058	0.025
trans-2-Butene	35	0	0.090	0.110	0.170	0.310	0.390	1.500	0.080	0.236	0.251
trans-2-Heptene	35	27	0.050	0.050	0.050	0.050	0.050	0.070	0.050	0.051	0.005
trans-2-Hexene	35	13	0.050	0.050	0.050	0.090	0.100	0.160	0.050	0.068	0.027
trans-2-Pentene	35	0	0.080	0.120	0.160	0.300	0.440	0.730	0.080	0.228	0.153
trans-3-Heptene	35	35									
trans-3-Methyl-2-pentene	35	20	0.050	0.050	0.050	0.080	0.110	0.170	0.050	0.066	0.029
trans-4-Methyl-2-pentene	35	35									
Trichloroethylene	35	0	0.070	0.110	0.130	0.190	0.280	0.540	0.060	0.166	0.100
Undecane	35	0	0.170	0.220	0.290	0.420	0.570	1.180	0.160	0.357	0.203

Table 52: VOC Annual Statistics at Windsor (2000)

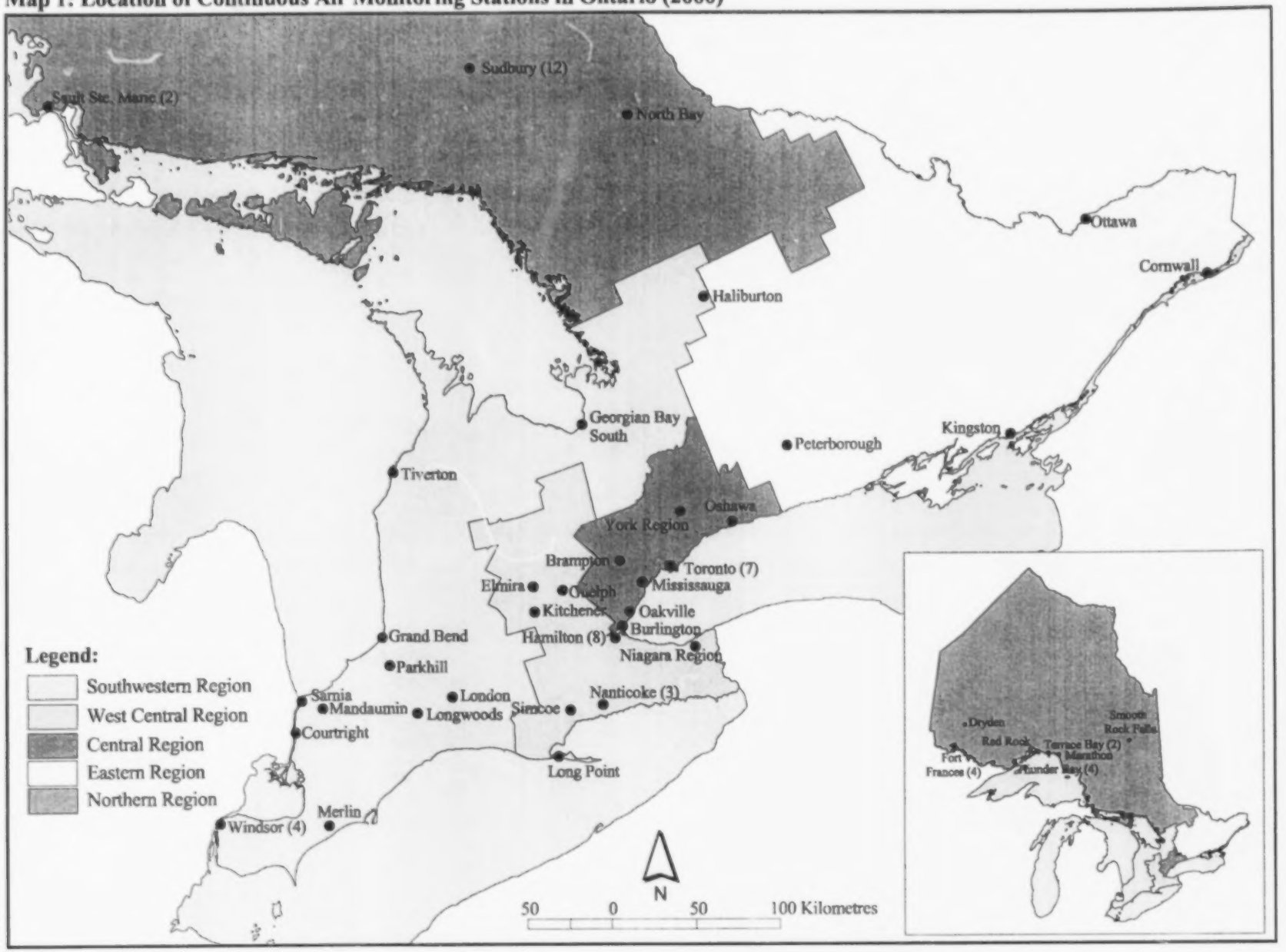
Unit: micrograms per cubic metre ($\mu g/m^3$)

Compounds	# of Samples	No. < DL	PERCENTILES 5%	25%	50%	75%	90%	Max.	Min.	Mean	Std. Dev.
Valeraldehyde	31	2	0.050	0.086	0.113	0.226	0.418	0.505	0.050	0.173	0.133
Vinylchloride	35	35									

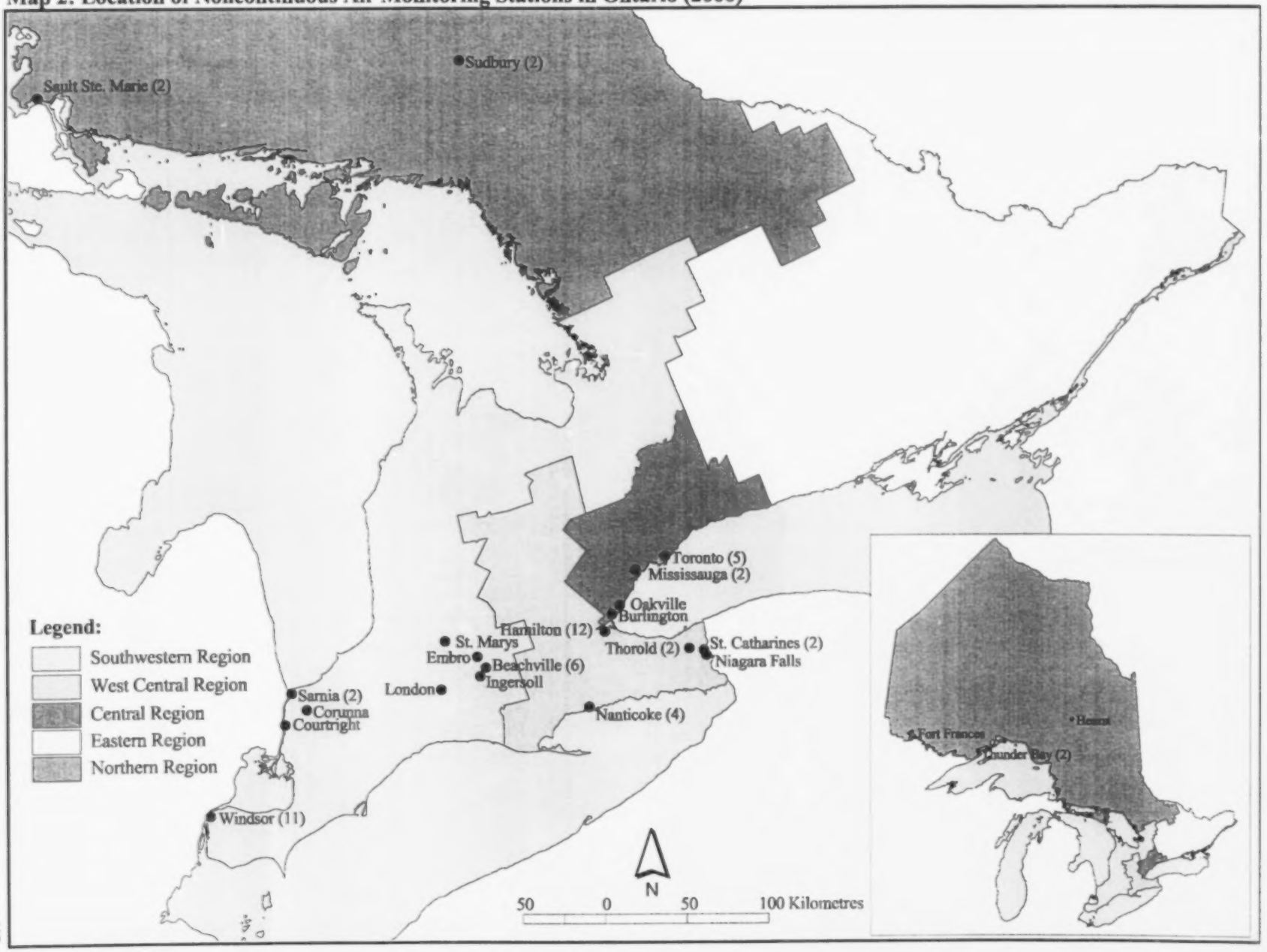
Notes:

-VOC sites are operated by Environment Canada.

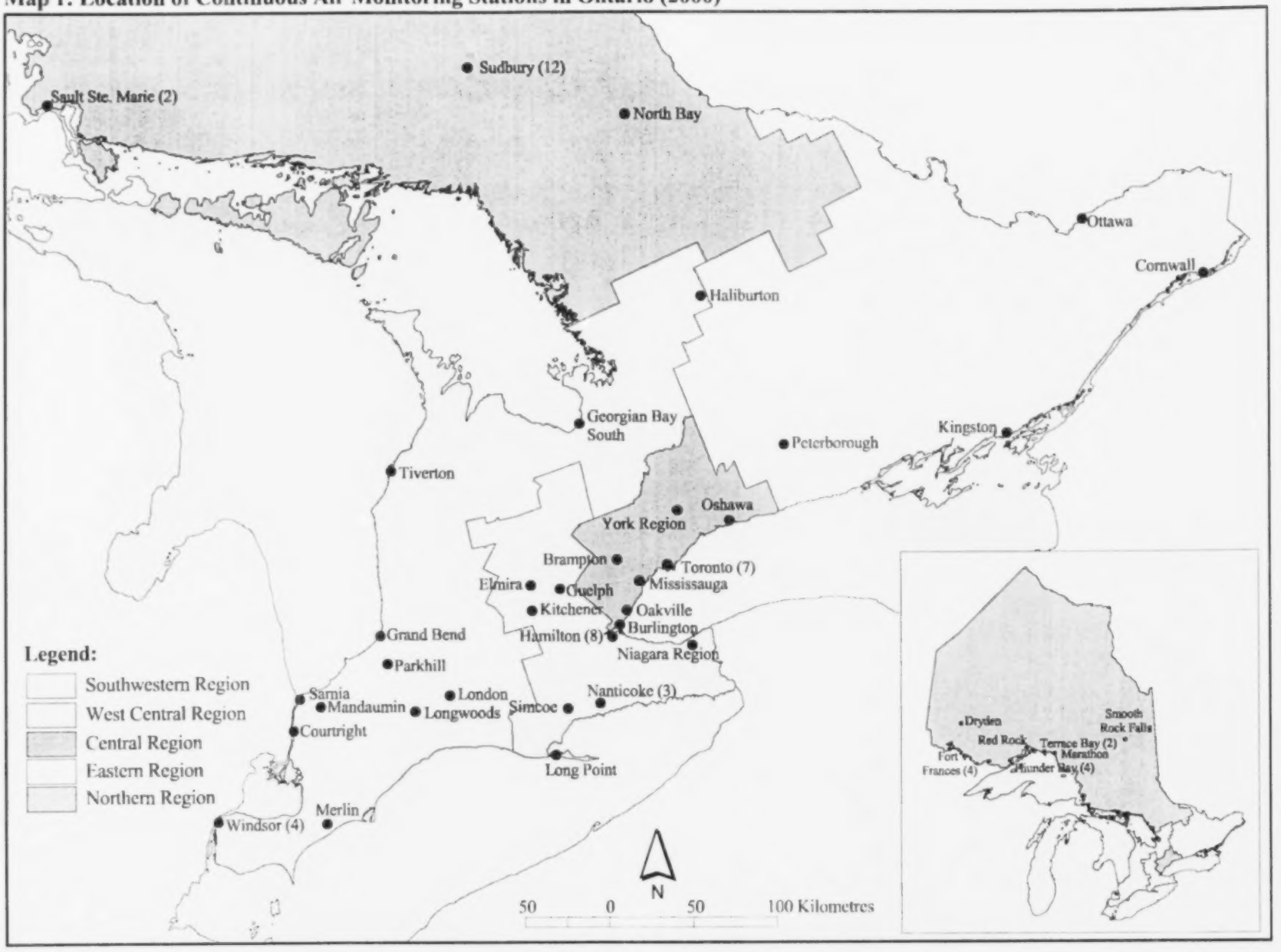
Map 1: Location of Continuous Air Monitoring Stations in Ontario (2000)



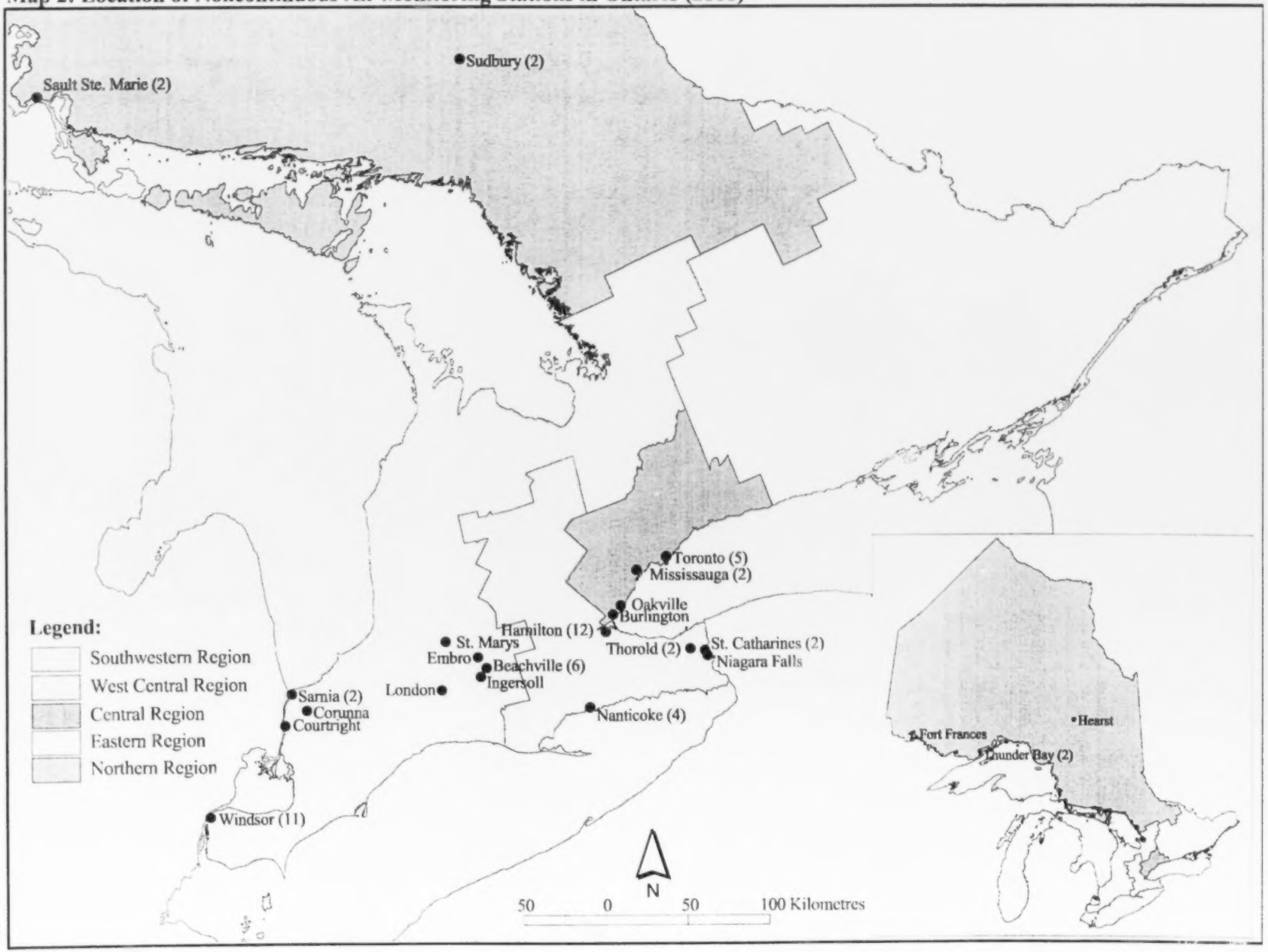
Map 2: Location of Noncontinuous Air Monitoring Stations in Ontario (2000)



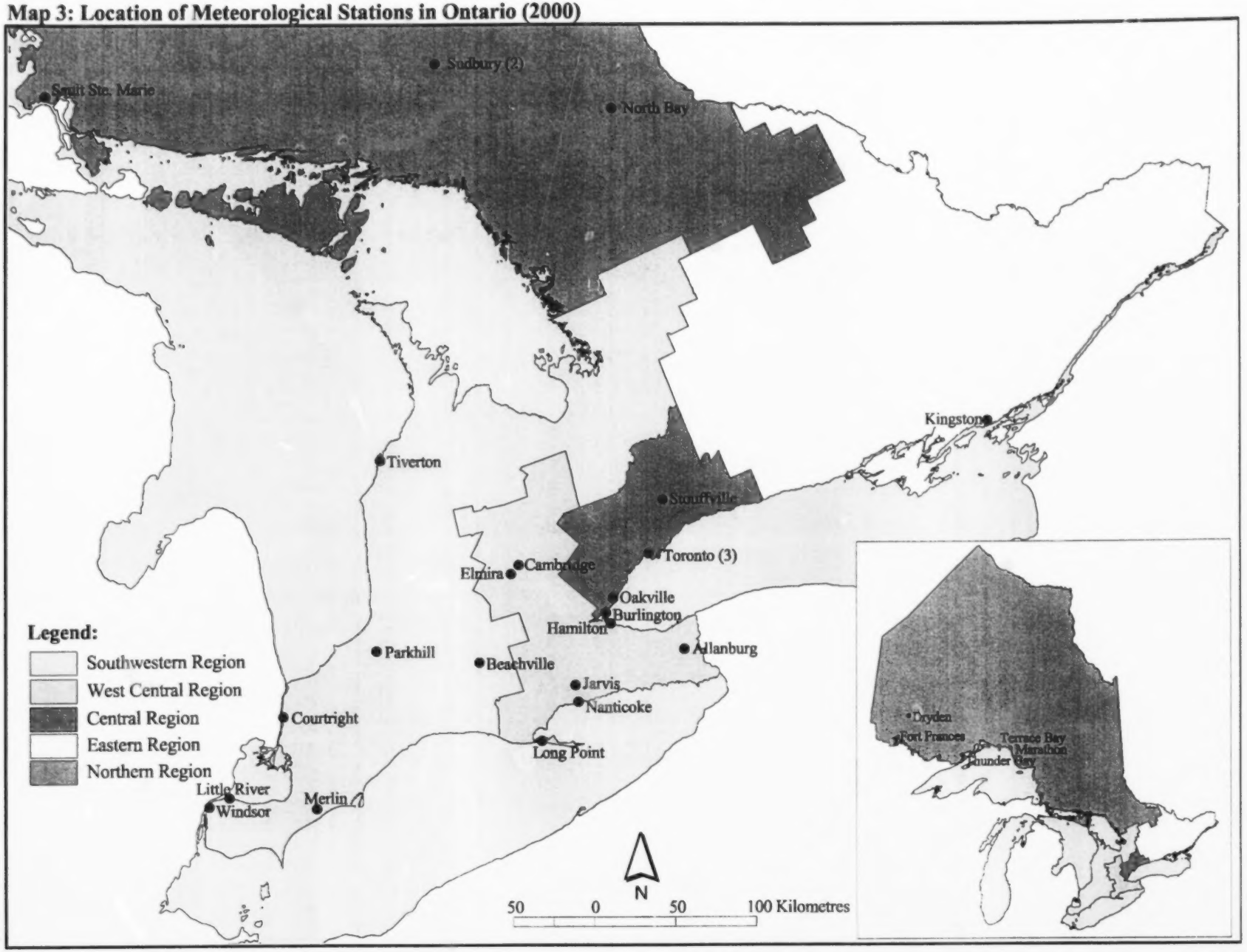
Map 1: Location of Continuous Air Monitoring Stations in Ontario (2000)



Map 2: Location of Noncontinuous Air Monitoring Stations in Ontario (2000)



Map 3: Location of Meteorological Stations in Ontario (2000)



Map 3: Location of Meteorological Stations in Ontario (2000)